Industry Leading Technologies from Extron

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Engineered by Extron

Designed in the US by our in-house teams of dedicated engineers and manufactured in Extron factories, our audio products continue to raise the bar for innovative and reliable audio solutions. AV consultants and integrators demand cutting edge flexibility, superior audio quality, and rigorously tested products. Continuously gathering input from AV system designers, our engineers have designed a broad mix of purpose-built audio products that offer unique capabilities optimized for your system integration requirements.

Speakers
Our innovations in speaker design, include the SoundField XD Series, UL 2043 plenum-rated speakers, that employ an advanced composite enclosure for exceptional sound and reduced weight.

Power Amplifiers
Using patented and exclusive Extron methods of thermal engineering and optimized efficiency, our amplifiers deliver unprecedented performance, demonstrated reliability and Flexible Fast Easy Integration in the most demanding AV environments.

Audio DSP
ProDSP Digital Matrix Processors featuring advanced Acoustic Echo Cancellation, and Dante connectivity, can be set up with easy-to-use DSP Configurator Software. An extensive mix matrix and device expansion supports any size system configuration.

VoIP
DMP 128 Plus V models include up to eight VoIP lines, with wideband codec support, that can be configured for individual extensions or conference calling. SIP 2.0 compatibility with major VoIP systems and onboard diagnostic tools streamline IT setup.

www.extron.com/audio
**NEW PRODUCTS**

The Complete Audio DSP Platform with VoIP, AEC, Dante, and USB Audio

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**DMP 128 Plus**

**12x8 ProDSP™ Digital Matrix Processors**

The DMP 128 Plus Series is the next generation of Digital Matrix Processors featuring Extron ProDSP™ 64-bit floating point technology. The DMP 128 Plus Series is equipped with 12 analog mic/line inputs, eight analog outputs, up to four channels of digital audio input and output via USB, up to eight audio file players, an ACP bus for audio control panels, and new configurable macros. The V models also include up to eight independent channels of VoIP, supporting Session Initiation Protocol - SIP. The AT models provide Dante audio networking technology with connectivity for up to 48 digital audio inputs and 24 digital audio outputs. DMP 128 Plus Series processors can be used anywhere from a credenza-based system to a large multi-rack system, and even in a large, complex, decentralized multi-building system.

**SERIES FEATURES**

- Six models with 12 mic/line inputs and 8 outputs
- All models include a USB Audio interface, providing up to four channels of digital audio sends and returns
- Eight channels of AEC - acoustic echo cancellation, C models only
- Dante audio networking provides a wide range of expansion capabilities, AT models only
- Optional ACP Series audio control panels provide intuitive audio system control
- Macros allow the sequencing of commands that can be sent to the local device or external devices via the LAN port
- Aux inputs and outputs can be individually configured as an audio file player, USB Audio, or in V models, VoIP
- Advanced audio processing on all eight analog outputs and all 16 direct Dante/Expansion outputs
- Extensive mix matrixing in every DMP 128 Plus allows all inputs to be discretely routed to any or all outputs
- 16 virtual processing loops allow for great flexibility in sub-mixing and processing
- Up to eight audio file players can be used to play back audio files for system set-up or as part of the system design
- Lower latency
- Adaptive Gain
VoIP for AV and IT Professionals

DMP 128 Plus C V and DMP 128 Plus C V AT models include up to eight VoIP lines, with wideband codec support, that can be configured as individual extensions or as or multiple call appearance channels to support local conferencing applications. Compatible with a majority of existing VoIP systems, any single V model of the DMP 128 Plus Series can be used as a multiple line device with conference calling support on a single VoIP line.

Network-specific VoIP configuration is managed through a dedicated, password protected web interface, where advanced logging and diagnostic tools are also available. This segregation of VoIP configuration allows IT and network administrators to effectively manage the VoIP aspect of DMP 128 Plus devices without the need to develop a detailed knowledge of audio DSP configuration. The inclusion of LLDP-MED technology allows the DMP 128 Plus to automatically obtain and apply advanced network configurations when connected to a compliant VoIP infrastructure.

For detailed information and compatibility go to www.extron.com/voip

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<td>12x8 ProDSP Processor w/AEC and VoIP</td>
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**DMP 128 Plus C V**
12x8 ProDSP™ Digital Matrix Processor with AEC and VoIP

**UNIQUE FEATURES**

- Eight channels of AEC - acoustic echo cancellation
- Up to eight VoIP lines that can be configured as individual extensions or as multiple appearance channels to support local conferencing applications

**DMP 128 Plus C V AT**
12x8 ProDSP™ Digital Matrix Processor with AEC, VoIP, and Dante

**UNIQUE FEATURES**

- Eight channels of AEC - acoustic echo cancellation
- Up to eight VoIP lines that can be configured as individual extensions or as multiple appearance channels to support local conferencing applications
- Dante audio networking for a wide range of expansion capabilities

Currenty compatible with:

![AVAYA](image1)
![cisco](image2)
![digium](image3)
![ShoreTel](image4)

For updated product availability, go to www.extron.com
NEW PRODUCTS

AUDIO PRODUCTS

DMP 128 Plus
12x8 ProDSP™ Digital Matrix Processor

**UNIQUE FEATURES**
- USB Audio interface
- ACP control ports for dedicated audio control panels
- Extensive mix matrixing with DSP Configurator software

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DMP 128 Plus AT
12x8 ProDSP™ Digital Matrix Processor with Dante

**UNIQUE FEATURES**
- Dante audio networking for a wide range of expansion capabilities

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DMP 128 Plus C
12x8 ProDSP™ Digital Matrix Processor with AEC

**UNIQUE FEATURES**
- Eight channels of AEC - acoustic echo cancellation

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DMP 128 Plus C AT
12x8 ProDSP™ Digital Matrix Processor with AEC and Dante

**UNIQUE FEATURES**
- Eight channels of AEC - acoustic echo cancellation
- Dante audio networking for a wide range of expansion capabilities

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**NEW PRODUCTS**

**AUDIO PRODUCTS**

### ACP 100

**Audio Control Panel with Volume and 6 Control Buttons - US 2-Gang**

The ACP 100 is a configurable audio control panel that interfaces with DMP 128 Plus audio processors. It provides volume adjustments for mixing and zone control, plus preset or macro recall for room configuration. Up to four ACP 100 Series control panels can be installed around a meeting space and linked together. Each panel can be used for independent control of a specific zone or to adjust audio settings for the entire combined space. The ACP 100 features six dual-colored backlit buttons for easy operation in low-light environments and a volume knob for smooth, precise volume adjustments. It can be configured easily using Extron DSP Configurator Software. The ACP 100 mounts in a two-gang junction box, and includes black and white faceplates.

#### FEATURES
- Fully configurable button panel integrates easily with Extron DMP 128 Plus series audio DSP processors
- Six dual-color, customizable, backlit buttons and rotary volume control
- Two ACP ports allow for quick system expansion and upgrades
- Connects directly to the DMP 128 Plus
- Use a single button panel or combine up to four button panels to accommodate a broad variety of system designs
- Simple yet elegant design blends well in any architectural environment

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### ACP 106 Series

**Audio Control Panels for Use with DMP 128 Plus Audio Processor**

The ACP 106 configurable audio control panels interface with the DMP 128 Plus audio processors to provide volume adjustment for mixing and zone control, plus preset or macro recall for room configuration. Up to four Series control panels can be installed around a meeting space and linked together. Each panel can be used for independent control of a specific zone or to adjust audio settings for the entire combined space. The ACP Series is ideal for use in applications that require a simple and cost-effective means to control basic audio functions, and are easy to configure using Extron DSP Configurator Software. The ACP 106 D includes a decorator-style wallplate. The ACP 106 MK mounts into one-gang MK boxes. The ACP 106 EU is compatible with Flex55 frames and EU junction boxes.

#### FEATURES
- Fully configurable button panels integrate easily with Extron DMP 128 Plus audio DSP processors
- Customizable, back-lit buttons
- Two ACP ports allow for quick system expansion and upgrades
- Direct connection to DMP 128 Plus - no IPCP controller or external power required
- Use a single button panel or combine up to four button panels to accommodate a broad variety of system designs
- Simple yet elegant design blends well in any architectural environment

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<td>ACP 106 MK</td>
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For updated product availability, go to www.extron.com

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**For updated product availability, go to www.extron.com**

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<td>Japan</td>
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Extron
The Ceiling Speaker Reimagined

SoundField XD Series
Installer Friendly Speakers with Superior Performance

The SoundField XD Series represents a new paradigm in speaker technology for pro AV applications. Designed from the ground up with innovative materials, modular construction, and many other unique features, SoundField XD Series speakers provide significant savings and superior performance.

SERIES FEATURES
- UL 2043 plenum rated enclosure
- Separable back can and baffle supports both single-trade and division-of-labor applications
- Modular V-rail and folding C-ring kit included
- Cable/conduit access plate can be oriented for side or top connections
- Opti-Torque indicator rings prevent overtightening of locking arm screws
- Includes locking arms for quick ceiling installation
- Magnetically attached grille with a thin bezel for a refined appearance
- Grille and bezel are white and can be painted to match any environment
- 5-year parts and labor warranty

Plenum Rated Composite Enclosure
SoundField XD Series speakers are the first in the pro AV industry to employ an injection molded enclosure that uses fire-resistant composite materials. This innovative design results in a light-weight, rigid, acoustically damped enclosure that provides superior acoustic characteristics. SoundField XD ceiling speakers have been fire tested and are UL 2043 listed for use in plenum air-handling spaces.

Magnetically Attached Modern Looking Grille
SoundField XD series speakers feature a finely perforated round metal grille with a thin-edged rounded bezel for a refined appearance on the ceiling. The grille securely attaches magnetically to the baffle and quickly snaps into place. The grille assemblies are white and can be painted to match the architectural elements of the environment.

An optional square grille kit is available to match the architectural elements of the environment.
Audio Products

Supports Division of Labor and Single Trade
Shipped as a complete speaker assembly, SoundField XD speakers are ideal for both single-trade and division-of-labor installations. For larger projects with multiple trades, the speaker back can and speaker baffle can be separated, allowing the rough-in contractor to install and fully terminate the back can. Once the job site is clean and secure, the AV integrator can then easily install the speaker baffle and grille.

Cable/Conduit Access Plate
A modular cable/conduit access plate is used to bring speaker cable into the enclosure, whether free-pulled or through flex conduit. Two punch-outs for 1/2” conduit, flex or screw clamp fittings allow easy daisy chaining from speaker to speaker. The cable/conduit access plate can be oriented for side mount or for top mount. The side mount orientation allows cable/flex/conduit to enter into the side of the enclosure, without increasing the overall 8” depth of the speaker. The top mount orientation allows for blind-mounting into drywall ceilings, keeping all cable/flex/conduit connections on the top.

Modular V-Rail and Foldable C-Rings
To facilitate installation in a T-bar ceiling, newly redesigned modular V-Rail and foldable C-rings are included with the speakers. The V-rails have been designed as a two-part assembly that can be snapped together in the field. The foldable C-rings have been designed to make them easier to maneuver into place, even in blind-mount drywall applications. The installer snakes the C-ring up through the speaker cut-out, unfolds it, and positions it as needed. The result is a continuous metal support around the entire cut-out, resulting in a more secure attachment to the ceiling.

Opti-Torque Indicator Ring
SoundField XD Series speakers feature exclusive Opti-Torque™ indicator rings that provide a visual indication when the locking arm screws have been sufficiently tightened, preventing damage to the speaker caused by overtightening. As the installation technician tightens the locking arms, the red Opti-Torque indicator ring will audibly snap when the proper torque has been applied. As a visual indicator, the red ring drops down onto the screw-driver shaft, signaling to the technician that the proper force has been applied.

For updated product availability, go to www.extron.com

Opti-Torque Indicator Ring drops onto screwdriver shaft
### AUDIO PRODUCTS

#### SF 26CT
SoundField XD 6.5" Two-Way Ceiling Speaker with 8" Composite Back Can and 70/100 V Transformer

The Extron SoundField® XD model SF 26CT is a 6.5" two-way ceiling speaker featuring an 8" (20.3 cm) deep composite back can for use in plenum rated ceiling environments. The driver complement includes a 6.5" (16.5 cm) woofer coupled to a 3/4" (1.9 cm) ferrofluid-cooled dome tweeter. The SF 26CT offers both direct 8 ohm and 70/100 volt operation with a behind-the-grille, six position power selector switch. With 70/100 volt taps at 8, 16, 32, and 64 watts, the SF 26CT is ideal for applications that require a high power distributed speaker system.

**Model** | **Version Description** | **Part Number**
--- | --- | ---
SF 26CT | 6.5" Two-way Ceiling Speakers, 70/100V, Pair | 60-1310-03
SGK SF26C | Square Grille Kit for SF 26CT Speakers, Pair | 70-1126-03

### SF 3CT LP
SoundField XD 3" Full-Range Ceiling Speakers with 4" Low Profile Composite Back Can and 70/100 V Transformer

The Extron SoundField® XD model SF 3CT LP is a 3" full-range ceiling speaker featuring a 4" (10.2 cm) deep composite back can for use in plenum rated ceiling environments. This low profile speaker is ideal for ceiling installations with tight above-the-ceiling space issues, such as air handling ducts installed close to the ceiling. The SF 3CT LP offers both direct 8 ohm and 70/100 volt operation with a behind-the-grille, six position power selector switch with taps at 1, 2, 4, 8 and 16 watts.

**Model** | **Version Description** | **Part Number**
--- | --- | ---
SF 3CT LP | 3" Ceiling Speakers, Low Profile, 70/100V, Pair | 60-1311-03
SGK SF3C | Square Grille Kit for SF 3C/3CT LP Speakers, Pair | 70-1127-03

### SF 3C LP
SoundField XD 3" Full-Range 8 Ohm Ceiling Speakers with 4" Low Profile Composite Back Can

The Extron SoundField® XD model SF 3C LP is a 3" full-range ceiling speaker featuring a 4" (10.2 cm) deep composite back can for use in plenum rated ceiling environments. This low profile speaker is ideal for ceiling installations with tight above-the-ceiling space issues, such as air handling ducts installed close to the ceiling. The SF 3C LP offers 8 ohm direct connection to power amplifiers and can be easily wired in parallel for 4 ohm amplifier operation.

**Model** | **Version Description** | **Part Number**
--- | --- | ---
SF 3C LP | 3" Ceiling Speakers, Low Profile, Pair | 60-1311-13
SGK SF3C | Square Grille Kit for SF 3C/3CT LP Speakers, Pair | 70-1127-03
**AXI 22 AT & AXI 44 AT**

Audio Expansion Interfaces with Dante

The Extron AXI 22 AT and AXI 44 AT are quarter rack width audio interfaces for integrating mic/line sources onto a Dante™-enabled audio system. They feature two or four mic/line inputs and switchable 48 volt phantom power. Input select, gain, and phantom power settings are controllable from the front panel, via DSP Configurator Software, or by SIS commands via USB. Both models interface with any Dante-equipped audio product, such as an Extron DMP 128 Plus C V AT, over a standard local area network, and can be powered through PoE. This allows a single network cable connection for bidirectional audio and power from a central equipment rack. The AXI 22 AT features two line level outputs and the AXI 44 AT features four line level outputs for routing Dante channels from the network to the audio system.

### FEATURES

- Two or four mic/line inputs for transmitting audio to a Dante™ network
- Two or four line level outputs receive audio from a Dante network
- Dante audio networking provides a wide range of expansion capabilities
- Studio grade 24-bit analog-to-digital and digital-to-analog converters with selectable sampling rates up to 96 kHz
- Input select, gain, and phantom power controls located on front panel and configurable through DSP Configurator Software
- Power over Ethernet over a single Ethernet cable
- 1U, quarter rack width metal enclosure

### AXI 016

Sixteen Output Audio Expansion Interface

The Extron AXI 016 is a half rack width, 16 output audio expansion interface for DMP 128 Plus systems. It connects to the DMP EXP expansion port of the DMP 128 Plus through a single shielded CAT6 cable, transforming the DMP 128 Plus from an 8 output device into a 24 output device. With all of the output channel processing being performed on the DMP 128 Plus, the AXI 016 leverages the DMP 128 Plus ProDSP™ technology for its low latency and 64-bit floating point signal processing. Using the DMP EXP expansion port on the Extron DTP CrossPoint® matrix switchers and the EXP THRU port on the AXI 016, an integrated DMP/DTP system can take advantage of the additional outputs provided by the AXI 016.

### FEATURES

- Expansion interface adds sixteen line level analog outputs to a DMP 128 Plus
- Supports integration between a DMP 128 Plus system and a DTP CrossPoint system
- Front panel input and output signal presence and clipping LED's
- 1U, half rack width metal enclosure

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<td>AXI 016</td>
<td>16 Output Audio Expansion Interface</td>
<td>60-1690-01</td>
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MPA 601
Mono 70/100 V Amplifier - 60 Watts

The Extron MPA 601 is an ENERGY STAR® qualified mono audio amplifier delivering 60 watts rms output. Housed in a compact convection cooled and UL 2043 plenum enclosure, it meets UL requirements for in-ceiling installations. The MPA 601 employs a highly efficient advanced Class D amplifier design featuring our patented CDRS™ - Class D Ripple Suppression technology providing a smooth, clean audio waveform and an improvement in signal fidelity over conventional Class D amplifiers. Three stereo inputs are summed together so three separate sources can be connected simultaneously. With more power in a compact design, a defeatable standby timer and professional performance, the MPA 601 is ideal for applications with space restrictions that require sufficient power for a small to medium distributed audio system.

FEATURES
• 60 watts rms output power:
  MPA 601-70V - 1 x 60 watts @ 70 volts
  MPA 601-100V - 1 x 60 watts @ 100 volts
• Professional grade signal-to-noise of >90 dB and <0.1% THD+N
• ENERGY STAR® qualified amplifier
• Extron patented CDRS™ - Class D Ripple Suppression
• Convension cooled, fanless design with UL 2043 plenum rated enclosure
• Defeatable auto-standby timer
• Automatic clip limiter
• Remote volume and mute control port
• 5 mm screw-lock captive screw speaker connector
• Rack-mountable 1U, quarter rack width metal enclosure
• Highly reliable, energy-efficient external universal power supply included, replacement part #70-769-01

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<td>100 V Mono Amp - 60 Watts ...................... 60-1449-11</td>
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When we introduced the XTP II CrossPoint Series in 2015, its 50 Gbps digital backplane represented a monumental leap in engineering and product design. By basing their designs on the XTP II platform, AV system designers have been able to future-proof their system designs in anticipation of technology advancements. The new HDMI 2.1 specification has just been released, supporting a range of higher video resolutions and refresh rates, including 8K @ 60 Hz and 4K @ 120 Hz with HDR. XTP II frames are the only AV switching platform that supports the full 48 Gbps data rate of HDMI 2.1. With performance and reliability unmatched in the Pro AV industry and modular flexibility, you can depend on the XTP II CrossPoint Series now and to meet the challenges of an 8K future.

**50 Gbps Backplane Supports HDMI 2.1 & DisplayPort 1.4**

XTP II CrossPoint matrix switchers are engineered to exceed the bandwidth required by HDMI 2.1 and DisplayPort 1.4 signals. Three modular frames are available for 16x16, 32x32, and 64x64 I/O configurations. XTP II CrossPoint frames ensure the core of your systems installed today can stay in place as the rest of the AV system evolves.

**Designed for Reliability, Performance, and Efficiency**

XTP II CrossPoint matrix switchers feature state-of-the-art EverLast™ power supplies engineered by Extron. XTP II is a future-ready technology platform that provides a robust, high performance, adaptable AV infrastructure designed to remain in place for years to come.
XTP SYSTEMS

XTP T HD 4K
XTP 4K Transmitter for HDMI

The Extron XTP T HD 4K is a transmitter for extending video, audio, bidirectional control, and Ethernet over a shielded CATx cable. This HDCP 2.2 compliant transmitter supports video signals at resolutions up to 4K. For streamlined integration, it features an HDMI loop-through with selectable audio control and enables embedding of separate analog stereo audio signals. Ethernet extension and insertion of bidirectional RS-232 and IR provide LAN access and remote AV device control. Signals can be sent up to 330 feet (100 meters) over shielded twisted pair cable. The XTP T HD 4K supports remote power and is ideal for XTP Systems® that require long-distance transmission from a remote location.

FEATURES
- Transmits video, audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet (100 meters) over a shielded CATx cable
- Supports computer and video resolutions up to 4K
- HDMI loop-through with selectable audio control
- HDCP 2.2 compliant
- Remote power capability
- Bidirectional RS-232 and IR insertion for AV device control
- Supported HDMI 2.0 specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension
- Selectable analog stereo audio input embedding
- Audio input gain and attenuation
- Compatible with all XTP products

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XTP T UWP 202 4K
Two Input XTP 4K Transmitter - Decorator-Style Wallplate

The Extron XTP T UWP 202 4K and XTP T UWP 202 4K NL are two-input transmitters for extending HDMI or VGA, audio, bidirectional control, and Ethernet over a shielded CATx cable. These HDCP 2.2-compliant transmitters support video signals at resolutions up to 4K. For operation in unmanaged locations, they feature automatic switching between inputs with selectable prioritization. Analog signals are digitized and separate analog stereo audio can be embedded onto the output signal. Ethernet extension and insertion of bidirectional RS-232 and IR provide LAN access and remote AV device control. Signals can be sent up to 330 feet (100 meters) over shielded twisted pair cable. The XTP T UWP 202 4K supports remote power and is ideal for XTP Systems® requiring long-distance transmission from a remote location.

FEATURES
- Transmits HDMI or analog video, audio, bidirectional RS-232 and IR control, and Ethernet up to 330 feet (100 meters) over a shielded CATx cable
- Supports computer and video resolutions up to 4K
- HDCP 2.2 compliant
- Remote power capability
- Bidirectional RS-232 and IR insertion for AV device control
- One HDMI and one VGA input
- Auto-switching between inputs
- Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension - XTP T UWP 202 4K model only
- Selectable analog stereo audio input embedding
- Audio input gain and attenuation
- RS-232 control
- Compatible with all XTP products

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<td>60-1530-13</td>
</tr>
</tbody>
</table>
**XTP SYSTEMS**

**XTP T FB 202 4K**  
Two Input XTP 4K Transmitter for Floor Boxes

The Extron XTP T FB 202 4K is a two-input transmitter for extending HDMI or VGA, audio, control, and Ethernet over a shielded CATx cable. It is compatible with floor boxes from OBO Bettermann, MK by Honeywell, Electroplan, and PUK. This HDCP 2.2-compliant transmitter supports video resolutions up to 4K. For operation in unmanaged locations, it features automatic switching between inputs with selectable prioritization. Incoming analog signals are digitized and separate analog stereo audio can be embedded onto the output. Ethernet extension and insertion of RS-232 and IR provide LAN access and remote AV device control. Signals can be sent up to 330 feet (100 meters) over shielded twisted pair cable. The XTP T FB 202 4K supports remote power and is ideal for XTP Systems requiring long-distance transmission from a remote location.

**FEATURES**
- Designed to mount in a variety of floor boxes
- Transmits HDMI or analog video, audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet (100 meters) over a shielded CATx cable
- Supports computer and video resolutions up to 4K
- HDCP 2.2 compliant
- Remote power capability
- One HDMI and one VGA input
- Auto-switching between inputs
- Bidirectional RS-232 and IR insertion for AV device control
- Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension
- Selectable analog stereo audio input embedding
- Audio input gain and attenuation
- RS-232 control
- Compatible with all XTP products

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>XTP T FB 202 4K</td>
<td>HDMI &amp; VGA Transmitter for Floor Boxes</td>
<td>60-1582-12</td>
</tr>
</tbody>
</table>

**XTP R HWP 201 4K**  
XTP 4K Receiver with 90° HDMI Connector for Wall-Mounted Displays

The Extron XTP R HWP 201 4K is a wallplate receiver for extending video, audio, bidirectional control, and Ethernet over a shielded CATx cable. This HDCP 2.2-compliant receiver supports video signals at resolutions up to 4K. For streamlined integration, the HDMI output connector is oriented upward at a 90° angle to minimize stress on the cable and allow for a low-profile flat panel display installation. Ethernet extension and insertion of bidirectional RS-232 and IR provide LAN access and AV device control at remote locations. Signals can be delivered up to 330 feet (100 meters) over shielded twisted pair cable. The XTP R HWP 201 4K supports remote power and is ideal for XTP Systems that require long-distance transmission to wall-mounted displays and other output devices.

**FEATURES**
- Unique low-profile wallplate design requires minimal space behind a flat panel display
- Receives video with embedded audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet (100 meters) over a shielded CATx cable
- Supports computer and video resolutions up to 4K
- HDCP 2.2 compliant
- Remote power capability
- Bidirectional RS-232 and IR insertion for AV device control
- Supported HDMI 2.0 specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension
- HDMI audio de-embedding with analog stereo audio outputs
- Compatible with all XTP products

<table>
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<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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<tr>
<td>XTP R HWP 201 4K</td>
<td>HDMI Decorator-Style Receiver - Black</td>
<td>60-1629-22</td>
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<tr>
<td>XTP R HWP 201 4K</td>
<td>HDMI Decorator-Style Receiver - White</td>
<td>60-1629-23</td>
</tr>
</tbody>
</table>

For updated product availability, go to www.extron.com
XTP SYSTEMS

XTP SR HD 4K
XTP 4K Scaling Receiver

The Extron XTP SR HD 4K is a scaling receiver for extending video, audio, bidirectional RS-232 and IR control, and Ethernet over a shielded CATx cable. It accepts signals from XTP twisted pair transmission products, and incorporates Extron Vector™ 4K scaling technology to deliver selectable HDMI video resolutions up to 4K with uncompromised image quality. The receiver is HDCP 2.2 compliant, and features on-screen menus, audio de-embedding to digital S/PDIF or analog stereo audio outputs, and relays for room control. Signals can be delivered up to 330 feet (100 meters) over one shielded twisted pair cable. The XTP SR HD 4K supports remote power and is ideal for XTP Systems® that require long-distance transmission to displays and high quality video scaling.

FEATURES

- Receives video with embedded audio, bidirectional RS-232 and IR, and Ethernet up to 330 feet (100 meters) over a shielded CATx cable
- Advanced Extron Vector™ 4K scaling technology
- Selectable output rates from 640x480 to 3840x2160
- HDCP 2.2 compliant
- Remote power capability
- Bidirectional RS-232 and IR insertion for AV device control
- Supported HDMI specification features include data rates up to 10.2 Gbps, Deep Color up to 12-bit, 3D, and HD lossless audio formats
- EDID Minder® automatically manages EDID communication between connected devices
- Key Minder® continuously verifies HDCP compliance for quick, reliable switching
- Ethernet extension
- HDMI audio de-embedding with analog stereo and S/PDIF audio outputs
- Two relays for controlling room functions
- Aspect ratio control
- Image freeze control
- On-screen menus
- Output Standby Mode
- RS-232 control
- Compatible with all XTP products

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
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<tr>
<td>XTP SR HD 4K</td>
<td>HDMI Scaling Receiver</td>
<td>60-1524-01</td>
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</table>

DTP SYSTEMS

DTP T SW4 HD 4K
Four Input HDMI Switcher with Integrated DTP Transmitter

The Extron DTP T SW4 HD 4K is a four-input switcher for sending HDMI and control signals over shielded CATx cable up to 330 feet (100 meters) to DTP*-enabled products. It supports computer and video signals at resolutions up to 4K. The many integrator-friendly features include EDID Minder®, selectable HDCP authorization, along with bidirectional RS-232 and IR pass-through for remote AV device control. Front panel, RS-232, contact closure, and auto-input switching control capabilities facilitate integration of the DTP T SW4 HD 4K into a wide variety of environments.

FEATURES

- Transmits HDMI plus control up to 330 feet (100 meters) over a shielded CATx cable
- Auto-switching between inputs
- Supports computer and video resolutions up to 4K
- Remote powering of DTP receiver
- DTP output is compatible with HDBaseT-enabled devices
- Supports multiple embedded audio formats
- Bidirectional RS-232 and IR pass-through for AV device control

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
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<td>Four Input HDMI Switcher with DTP Tx</td>
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</table>
DTP SYSTEMS

DTP CrossPoint 4K Series
Seamless 4K Scaling Presentation Matrix Switchers

The industry-leading Extron DTP CrossPoint® 4K Series matrix switchers are your new go-to products for 4K presentation systems. These highly versatile presentation matrix switchers deliver all of the technologically advanced capabilities you need to design and integrate advanced AV systems in one box. This includes a matrix switcher with 4K inputs and outputs, built-in independent scalers that are powered by Extron Vector™ 4K scaling technology and support seamless switching, integrated DTP® and XTP® signal extension, comprehensive audio, power amplifier, and control processor.

FEATURES
• All-in-one matrix switcher, scaler, audio DSP with AEC, audio power amplifier, and control processor
• Choose from 10x8, 8x6, 8x4, and 8x2 matrix switcher configurations
• Two DTP outputs feature mirrored HDMI connections to support local monitoring
• 4K matrix switching and scaling with logo keying
• Integrated DTP inputs and outputs support transmission of video, control, and audio up to 330 feet (100 meters) over a shielded CATx cable
• Advanced Extron Vector 4K scaling engine
• Seamless switching with selectable transition effects
• Compatible with DTP 230 Series and DTP 330 Series, plus XTP CrossPoint matrix switchers
• IPCP models with integrated three-port AV LAN switch allow AV devices to be isolated from the corporate network

DTP CrossPoint 108 4K
10x8 Seamless 4K Scaling Presentation Matrix Switcher

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<td>DTP CrossPoint 108 4K IPCP SA</td>
<td>2 x 50 Watt Stereo Amp, AV LAN</td>
<td>60-1381-22</td>
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<td>DTP CrossPoint 108 4K IPCP SA</td>
<td>2 x 50 Watt Stereo Amp, AV LAN, LL UI Upgrade</td>
<td>60-1381-22A</td>
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<tr>
<td>DTP CrossPoint 108 4K IPCP MA 70</td>
<td>100 Watt 70 V Mono Amp, AV LAN</td>
<td>60-1381-23</td>
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<td>DTP CrossPoint 108 4K IPCP MA 70</td>
<td>100 Watt 70 V Mono Amp, AV LAN, LL UI Upgrade</td>
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DTP CrossPoint 86 4K
8x6 Seamless 4K Scaling Presentation Matrix Switcher

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<td>Preamp Output, w/o Amplifier and Control Processor</td>
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<td>2 x 50 Watt Stereo Amp, AV LAN</td>
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<td>DTP CrossPoint 86 4K IPCP MA 70</td>
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DTP CrossPoint 84 4K
8x4 Seamless 4K Scaling Presentation Matrix Switcher

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<td>DTP CrossPoint 84 4K IPCP SA</td>
<td>2 x 50 Watt Stereo Amp, AV LAN</td>
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<td>DTP CrossPoint 84 4K IPCP SA</td>
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<td>DTP CrossPoint 84 4K IPCP MA 70</td>
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<td>DTP CrossPoint 84 4K IPCP MA 70</td>
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</table>

DTP CrossPoint 82 4K
8x2 Seamless 4K Scaling Presentation Matrix Switcher

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<tbody>
<tr>
<td>DTP CrossPoint 82 4K</td>
<td>Preamp Output, w/o Amplifier and Control Processor</td>
<td>60-1583-01</td>
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<td>DTP CrossPoint 82 4K IPCP SA</td>
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</table>

For updated product availability, go to www.extron.com
**NEW PRODUCTS**

**DTP SYSTEMS**

**DTP2 T 211**
**HDMI 4K/60 DTP2 Transmitter with Audio Embedding**

The Extron DTP2 T 211 is a long distance, digital twisted pair transmitter for sending HDMI, multi-channel audio, as well as bidirectional RS-232 and IR signals up to 330 feet (100 meters) over a shielded CATx cable to Extron DTP®-enabled products. It supports video signals at resolutions up to 4K/60 at 4:4:4 chroma sampling, and complies with HDCP 2.2. Analog stereo audio signals can be embedded onto the digital video output signal. The compact enclosure size and remote power capability make the DTP2 T 211 ideal for discreet placement in lecterns, beneath tables, or wherever needed to meet application requirements.

**FEATURES**
- Transmits HDMI plus control and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Supports computer and video resolutions up to 4K/60 @ 4:4:4
- Analog stereo audio embedding
- Supported HDMI 2.0b specification features include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC pass-through
- Support for HDR – High Dynamic Range video
- HDCP 2.2 compliant
- Remote power capability

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<tr>
<th>Model</th>
<th>Version Description</th>
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<tbody>
<tr>
<td>DTP2 T 211</td>
<td>HDMI 4K/60 Tx - 330 feet (100 m)</td>
<td>60-1631-52</td>
</tr>
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</table>

**DTP2 R 211**
**HDMI 4K/60 DTP2 Receiver with Audio De-Embedding**

The Extron DTP2 R 211 is a long distance, digital twisted pair receiver that works with Extron DTP®-enabled products to send HDMI, multi-channel audio, as well as bidirectional RS-232 and IR signals up to 330 feet (100 meters) over a shielded CATx cable. It supports video signals at resolutions up to 4K/60 at 4:4:4 chroma sampling, and complies with HDCP 2.2. In addition, this DTP2 receiver features a stereo output that is selectable between de-embedded or pass-through analog audio. The compact enclosure size and remote power capability make the DTP2 R 211 ideal for discreet placement behind displays, in equipment racks, or wherever needed to meet application requirements.

**FEATURES**
- Receives HDMI plus control and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Supports computer and video resolutions up to 4K/60 @ 4:4:4
- Stereo audio de-embedding
- Supported HDMI 2.0b specification features include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC pass-through
- Support for HDR – High Dynamic Range video
- HDCP 2.2 compliant
- Remote power capability

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<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>DTP2 R 211</td>
<td>HDMI 4K/60 Rx - 330 feet (100 m)</td>
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</tr>
</tbody>
</table>
**NEW PRODUCTS**

**DTP2 T 212**

Two Input 4K/60 HDMI Switcher with Integrated DTP2 Transmitter and HDMI Output

The Extron DTP2 T 212 is a two-input transmitter for sending HDMI, audio, and control up to 330 feet (100 meters) over a shielded CATx cable to an Extron DTP®-enabled product. It provides two HDMI inputs, one DTP2 output, and one HDMI output. It supports video resolutions up to 4K/60 at 4:4:4 chroma sampling, and complies with HDCP 2.2. Audio embedding and RS-232 remote control facilitate integration in professional environments. Integrator-friendly features include EDID Minder®, Key Minder®, auto-switching between inputs, and bidirectional RS-232 and IR pass-through for remote AV device control. The low-profile enclosure enables discreet placement in lecterns, beneath tables, or wherever needed to meet application requirements.

**FEATURES**
- Transmits HDMI plus control and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- Two HDMI Inputs
- HDMI and DTP2 outputs
- Supports computer and video resolutions up to 4K/60 @ 4:4:4
- Auto-switching between inputs
- Analog stereo audio embedding
- Supported HDMI 2.0b specification features include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC pass-through
- Support for HDR – High Dynamic Range video
- HDCP 2.2 compliant
- Remote power capability
- DTP2 output is compatible with HDBaseT-enabled devices
- Accepts additional analog stereo audio signals
- Bidirectional RS-232 and IR pass-through for AV device control
- Compatible with all DTP receivers and DTP-enabled products

<table>
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<th>Version Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>DTP2 T 212</td>
<td>Two Input 4K/60 HDMI Switcher - 330 feet (100 m)</td>
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</table>

**DTP2 R 212**

HDMI 4K/60 DTP2 Receiver and Switcher with Audio De-Embedding

The Extron DTP2 R 212 and DTP2 R 212 SA are digital twisted pair receivers that work with Extron DTP®-enabled products to send HDMI, audio, as well as bidirectional control signals up to 330 feet (100 meters) over a shielded CATx cable. Both models include one DTP2 input, one HDMI input for a local video source, and one HDMI output. These receivers support video resolutions up to 4K/60 at 4:4:4 chroma sampling, and comply with HDCP 2.2. Audio de-embedding and Ethernet remote control facilitate integration in professional environments. Integrator-friendly features include EDID Minder®, Key Minder®, auto-switching between inputs, and bidirectional RS-232 and IR pass-through for remote AV device control. The DTP2 R 212 SA model also features a built-in Class D stereo amplifier, delivering 15 watts per channel.

**FEATURES**
- Receives HDMI plus control and analog audio up to 330 feet (100 meters) over a shielded CATx cable
- HDMI and DTP2 Inputs
- HDMI input is ideal for connecting to a local source, such as a laptop or ShareLink wireless collaboration gateway
- Supports computer and video resolutions up to 4K/60 @ 4:4:4
- Auto-switching between inputs
- Stereo audio de-embedding
- Supported HDMI 2.0b specification features include data rates up to 18 Gbps, HDR, Deep Color up to 12-bit, 3D, HD lossless audio formats, and CEC pass-through
- Support for HDR – High Dynamic Range video
- HDCP 2.2 compliant
- Remote power capability
- DTP2 output is compatible with HDBaseT-enabled devices
- Accepts additional analog stereo audio signals
- Bidirectional RS-232 and IR pass-through for AV device control
- Compatible with all DTP receivers and DTP-enabled products
- DTP2 R 212 SA features an energy efficient Class D stereo amplifier:
  - 2 x 15 watts @ 4 ohms; 2 x 8 watts @ 8 ohms

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<tr>
<th>Model</th>
<th>Version Description</th>
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<td>DTP2 R 212</td>
<td>HDMI 4K/60 Rx Switcher - 330 feet (100 m)</td>
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<tr>
<td>DTP2 R 212 SA</td>
<td>HDMI 4K/60 Rx Switcher w/ Amp - 330 feet (100 m)</td>
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</table>
NEW PRODUCTS

Performance and Elegance

TLP Pro 725T
7" Tabletop TouchLink Pro Touchpanel

The Extron TLP Pro 725T is Extron’s latest TouchLink Pro touchpanel, offering exceptional performance and superior aesthetics. Inside the TLP Pro 725T there’s a powerful new quad-core processor and eight times more memory feeding the seven inch, high resolution capacitive touchscreen. The enhanced touchscreen delivers stunning graphics and superb durability with scratch and smudge-resistant Corning® Gorilla Glass®. Outside you’ll find a stylish, ergonomic enclosure that will complement any contemporary presentation environment.

Groundbreaking Performance
The TLP Pro 725T provides exceptional performance, and with an improved graphics engine, powerful quad-core processor, and increased RAM, you’ll see faster background graphic loads and crisper page flips. These performance enhancements offer an enhanced user experience now, while providing ample memory and processing power to support exciting new features and capabilities in the future via firmware upgrades.

Captivating Graphics
The all new capacitive display is our most vibrant seven-inch touchscreen to date. The higher resolution combined with deeper color depth and increased pixel density deliver crisp, bright graphics for a satisfying user experience.

FEATURES
• Contemporary design that complements the aesthetics of any environment
• 7" LCD touchscreen with 1024x600 resolution and 24-bit color depth
• Tough, scratch and smudge-resistant screen – Corning Gorilla Glass is stronger and more scratch-resistant than standard glass, while maintaining touch sensitivity, color saturation, and brightness.
• Faster, quad-core processing and eight times more memory – Allows for quicker configuration uploads and more storage for GUI pages.
• Compatible with all IP Link Pro control processors
• Power over Ethernet provides power and communication over a single Ethernet cable - PoE injector sold separately
• Built-in speaker – Provides audible feedback from button presses.
• Light sensor adjusts screen brightness as the ambient room lighting changes
• Configurable red and green status lights
• System connection status indicator provides visual feedback if the touchpanel is not communicating with a control processor
• Automatic clock synchronization allows touchpanel to display the accurate time and date
• Energy-saving features:
  - Adjustable sleep timer puts touchpanel into sleep mode
  - Motion detector wakes touchpanel
• Fully customizable using Extron control system software – GUI Designer combined with Global Configurator Plus, Global Configurator Professional, or Global Scripter

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<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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<tr>
<td>TLP Pro 725T</td>
<td>White - Tabletop</td>
<td>60-1562-03</td>
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TOUCHLINK PRO ACCESSORIES

**SMA-2**
Swivel Mount Adapter

The SMA-2 Swivel Mount Adapter is designed for use with the TLP Pro 725T. When mounted on the SMA-2, a TouchLink touchpanel easily rotates for easy viewing and access for multiple users. The SMA-2 provides multiple stop points so the installer can precisely determine the degree of rotation for easy access and prevention of cable strain and tangling. The SMA-2 elevates the tabletop touchpanel slightly to prevent wear and damage to the surface on which it is mounted.

<table>
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<th>Model</th>
<th>Version Description</th>
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<td>SMA-2</td>
<td>Swivel Mount Adapter</td>
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</table>

**RM 4**
Rack Mount Kit for TLP Pro 1022M

The RM 4 is a 5RU rack mount kit that allows the Extron TLP Pro 1022M to be mounted in a standard 19" equipment rack for a clean, professional appearance. The rack plate can accommodate a single Pro Series touchpanel and includes all the required mounting hardware for a secure installation. The RM 4 is available in a black powder coat finish.

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
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<tr>
<td>RM 4</td>
<td>Rack Mount Kit for TLP Pro 1022M</td>
<td>70-1188-01</td>
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</table>

**TLP Pro 1022M Adapter Mount**
For TLP 1000MV and TLP Pro 1020M Openings

The TLP Pro 1022M Adapter Mount enables the TLP Pro 1022M to be easily retrofitted into accessories and openings in drywall and furniture that were created for our TLP 1000MV and TLP Pro 1020M touchpanels. This all metal adapter plate attaches to the back of the TLP Pro 1022M then securely fastens to TouchLink accessories, such as the BB 1000M, RM 1000M, or EWB 1000.

<table>
<thead>
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<th>Model</th>
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<td>TLP Pro 1022M Retrofit Kit</td>
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</table>

For updated product availability, go to www.extron.com
GlobalViewer Enterprise
Server-Based AV Resource Management Software

GlobalViewer® Enterprise - GVE software simplifies AV system resource management with intuitive control for hundreds of common AV tasks. Whether you're working with 5 or 5000 rooms, GVE provides a powerful, flexible way to manage, monitor, and control Extron and third-party AV devices over a standard network. Support teams will appreciate the agility and flexibility GVE provides to access usage data, create reports, and control the system from any computer on the network. The Help Desk view offers a look at the entire enterprise in a single window and access to detailed room data and control with just a click of a mouse.

Extron RoomAware™ Technology is a suite of time-saving features that anticipates user needs and intelligently delivers room automation and control across the enterprise. RoomAware enables smart connections between Extron devices and services to save valuable time by preparing the room for the participant prior to their arrival.

KEY FEATURES
• Easily manages all of the AV devices and meeting rooms across the campus and enterprise
• Track and analyze device and room usage, proactively plan maintenance activities, and maintain inventory lists using customizable reports
• Custom reporting tools
• Extron GlobalViewer Enterprise Commissioning with every installation ensures a trouble-free system installation and optimal performance
• Enhanced monitors and schedules based on location and device type
• Manage individual rooms using the room control terminal directly from the help desk
• Supports many common Web browsers
• Supports configured and programmed control systems
• iGVE app support
• Seamless integration with third-party facility scheduling software

UPCOMING FEATURES
• RoomAware Technology Features:
  - Use the RoomAware Add-in to automate meeting starts and conference room functions
  - Monitor the health and status of room scheduling touchpanels
  - RoomAware Technology acknowledges your scheduled meeting and automatically turns on all your devices, saving precious time by preparing the room prior to your arrival
  - Expand the length of your meeting from the touchpanel inside the conference room
  - Upon leaving the room, all devices are returned to their previous state and available for the next meeting
SOFTWARE

Extron Control for iOS and Android Devices
Control App for TouchLink, eBUS, and MediaLink

Extron Control is an easy-to-use AV control system app that gives users complete access to Extron control systems directly from Apple iOS or Android devices. After a quick initial setup, your device connects to the desired room, allowing a seamless, highly-responsive control experience. Extron Control automatically loads the user interfaces present on any Extron control product without a lengthy setup and customization process. The familiar interfaces emulate the TouchLink touchpanel, eBUS button panel, or MediaLink controller in your room, and all button presses are kept in sync between the app and your Extron control devices. Extron Control is available for immediate download from the iTunes App Store and Google Play.

FEATURES
• Provides a convenient point of control for Extron control systems using your Apple iOS or Android devices
• Extron Control for iOS supports all TouchLink, TouchLink Pro touchpanels, eBUS button panels, and Ethernet-enabled MediaLink, MediaLink Plus controllers
• Extron Control for Android supports all TouchLink Pro touchpanels, eBUS button panels, and all MediaLink Plus controllers
• Familiar user interface provides the same experience as the touchpanel, button panel, or controller
• Supports Extron LinkLicense
• Room Manager allows users to easily add touchpanels, button panels, or controllers, and customize room lists
• Quickly switch between rooms with a single tap on the screen
• Button tracking allows portable device and Extron control device to stay in sync
• Provides real-time status and remote control of multiple rooms for troubleshooting and management
• Compatible with iOS VoiceOver and Google TalkBack features that provide text to speech option for button labels and states
• Wireless control using a Wi-Fi network allows users to move freely around a room and between rooms

eBUS - BUTTON PANELS

EBP 1200C
Cable Cubby Enclosure with eBUS Button Panel

The Extron EBP 1200C is a furniture-mountable Cable Cubby enclosure with an eBUS button panel integrated into the lid. It conveniently combines intuitive AV control, connectivity, and power, and works with all eBUS-enabled control systems. It connects to an IPCP Pro control processor to perform a variety of AV system functions such as display On/Off, input switching, volume control, and much more. The flip-up button panel has ten customizable, soft-touch buttons that are backlit for easy operation in low-light environments. The cable access enclosure supports up to three single-space AAPs, eight AV cables, and up to three Extron Retractors. The EBP 1200C enables integrators to deploy a contemporary, furniture-mountable eBUS button panel with cable management and easy access to AV connectivity and power. Available in black.

FEATURES
• Fully customizable button panel integrates easily with an Extron Pro Series control system
• Two eBUS® ports allow for quick system expansion and upgrades
• Combine multiple eBUS panels to accommodate a broad variety of system designs
• eBUS button panels connect to the control processor and each other using a single cable that carries both power and communication
• Cable Cubby 1200 design offers easy access to AV, data, and power connections
• Ten backlit, soft-touch buttons that can be customized using Extron’s Custom Button Builder

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>EBP 1200C</td>
<td>eBUS Cable Cubby - Black, AC Module Not Included</td>
<td>60-1632-02</td>
</tr>
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</table>
## eBUS - BUTTON PANELS

### EBP 50
**eBUS Button Panel with 6 Buttons - US Single-Gang**

The Extron EBP 50 eBUS® Button Panel is a fully-customizable AV system control interface designed for use with Extron eBUS-enabled control systems. This easy-to-use control panel connects to an IPCP Pro control processor to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. The EBP 50 features six dual-colored backlit buttons for easy operation in low-light environments. eBUS button panels are linked to the control processor and to each other using a single cable that carries both power and communication. The EBP 50 mounts in a one-gang junction box, and includes black and white faceplates.

### Table: Model, Version Description, Part Number

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<th>Model</th>
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<td>EBP 50</td>
<td>Single-Gang, Black and White, 6 Button</td>
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### EBP 103 D
**eBUS Button Panel with 3 Buttons - Decorator-Style Wallplate**

The Extron EBP 103 D eBUS® Button Panel is a fully-customizable AV system control interface for Extron eBUS-enabled control systems. This easy-to-use control panel connects to an IPCP Pro control processor to perform a wide variety of AV system functions such as On/Off, input switching, volume control, and much more. The EBP 103 D offers three, dual-color backlit buttons for easy operation in low-light environments. eBUS button panels are linked to the control processor and to each other using a single cable that carries both power and communication. The EBP 103 D mounts in a single gang junction box, and includes black and white decorator-style wallplates and mud ring.

### Table: Model, Version Description, Part Number

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<th>Model</th>
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<td>EBP 103 D</td>
<td>Decorator-Style, Black and White, 3 Button</td>
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**eBUS - BUTTON PANELS**

**EBP 104 EU**

**eBUS Button Panel with 4 Buttons - Flex55 and EU**

The Extron EBP 104 EU eBUS® Button Panel is a fully-customizable AV system control interface for Extron eBUS-enabled control systems. This easy-to-use control panel connects to an IPCP Pro control processor to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. The EBP 104 EU offers four dual-color, backlit buttons for easy operation in low-light environments. eBUS button panels are linked to the control processor and to each other using a single cable that carries both power and communication. For applications worldwide, the EBP 104 EU is compatible with Flex55 modules, mounting kits, and enclosures, as well as EU junction boxes.

<table>
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<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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<tr>
<td>EBP 104 EU</td>
<td>Flex55 and EU, Black and White, 4 Button</td>
<td>60-1672-31</td>
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</tbody>
</table>

**FEATURES**

- Fully customizable button panel integrates easily with an Extron Pro Series control system
- Four dual-color, customizable, backlit buttons
- Two eBUS® ports allow for quick system expansion and upgrades
- Compatible with all Extron IPCP Pro control processors
- Use a single button panel or combine multiple button panels to accommodate a broad variety of system designs
- eBUS button panels connect to the control processor and each other using a single cable that carries both power and communication

**EBP 104 MK**

**eBUS Button Panel with 4 Buttons - MK**

The Extron EBP 104 MK eBUS® Button Panel is a fully-customizable AV system control interface for Extron eBUS-enabled control systems. This easy-to-use control panel connects to an IPCP Pro control processor to perform a wide variety of AV system functions such as display On/Off, input switching, volume control, and much more. The EBP 104 MK offers four dual-color, backlit buttons for easy operation in low-light environments. eBUS button panels are linked to the control processor and to each other using a single cable that carries both power and communication. The EBP 104 MK mounts into one-gang MK boxes and enclosures for use in the UK, Middle East, Singapore and other regions using MK-type enclosures.

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<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>EBP 104 MK</td>
<td>MK Mount, White, 4 Button</td>
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**FEATURES**

- Fully customizable button panel integrates easily with an Extron Pro Series control system
- Four dual-color, customizable, backlit buttons
- Two eBUS® ports allow for quick system expansion and upgrades
- Compatible with all Extron IPCP Pro control processors
- Use a single button panel or combine multiple button panels to accommodate a broad variety of system designs
- eBUS button panels connect to the control processor and each other using a single cable that carries both power and communication

For updated product availability, go to [www.extron.com](http://www.extron.com)
**eBUS - CONTROL MODULE**

**ECM DIO8**

**eBUS Control Module**

The Extron ECM DIO8 is a compact digital I/O control module for Extron eBUS-enabled control systems. This easy-to-use control module connects to an IPCP Pro control processor to interface with a variety of I/O devices, including sensors and contact closure buttons. The ECM DIO8 offers eight software selectable digital I/O ports and a 24 VDC output to provide power to a sensor. For convenient integration, eBUS control modules are linked to the control processor or to other eBUS devices using a single cable that carries both power and communication. The ECM DIO8 mounts in a US single gang, Flex55, EU, or MK enclosure or can be mounted to any flat surface with the included dual-lock fastener.

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<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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<td>ECM DIO8</td>
<td>Eight Digital I/O Ports</td>
<td>60-1662-11</td>
</tr>
</tbody>
</table>

**FEATURES**

- Eight digital I/O ports
- 24V output
- eBUS port
- DIP switches are used to set unique eBUS device addresses and minimize setup time
- eBUS diagnostic LED provides connection status for troubleshooting
- Compatible with all IPCP Pro control processors

**eBUS ACCESSORIES**

**EBDB MINI**

**Mini eBUS Distribution Hub**

The Extron EBDB MINI is an eBUS® distribution hub that reduces cable runs by providing a convenient connection point for eBUS wiring infrastructure. The EBDB MINI is the ideal choice for small to medium sized eBUS control systems that require a more elaborate cabling infrastructure. A front panel status LED indicates when power is present on one of the four eBUS distribution ports. All ports are connected in parallel, allowing each port to act as an input or an output for eBUS communication. The ultra-compact enclosure can be quickly and securely mounted to rack rails, tables, lecterns, and other small spaces.

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<th>Version Description</th>
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<tr>
<td>EBDB MINI</td>
<td>Four eBUS Ports</td>
<td>60-1170-02</td>
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</table>

**FEATURES**

- Four parallel eBUS® ports provide a common connection point for multiple eBUS devices
- Front panel status LED indicates when power is present on one of the four eBUS distribution ports
- Ultra-Compact 2”x2” enclosure can be easily mounted on a desk, in a podium, in a rack, or under furniture
MEDIALINK

MLC 62 RS EU
Medialink Controller for EU Junction Boxes

The MLC 62 RS EU is an easy-to-use keypad controller for use in classrooms and meeting facilities. It mounts in a one-gang EU junction box or enclosure and offers eight backlit soft touch buttons for a contemporary look and feel. The MLC 62 RS EU provides control capabilities for common AV functions including power, input switching, and volume control. The MLC 62 RS EU provides RS-232 serial and IR ports for universal display control. In addition, a digital input and two relays are included for monitoring and controlling other devices in the room.

FEATURES
• Designed to mount into one-gang EU junction boxes and enclosures having 60mm mounting centers
• Customizable backlit buttons
• Unidirectional RS-232 and configurable IR ports for universal display control
• Two relays
• Digital input
• Easy-to-use configuration software provides fast and simple set-up
• Thousands of Extron certified, ready-to-use device drivers

Model | Version Description | Part Number
--- | --- | ---
MLC 62 RS EU | IR and RS-232 Control - EU, Black | 60-1005-32

ACCESSORY

OCS 100
Occupancy Sensors

The Extron OCS 100C and OCS 100W are ceiling and wall-mount occupancy sensors that provide exceptional coverage using ultrasonic and passive infrared detection technologies. Integrated smart, adaptive software automatically and continuously monitors the environment and adjusts timer settings and sensitivity, providing a lifetime of dependable detection and maintenance-free operation. These occupancy sensors are ideal for use in any business application where various occupancy-dependent automation scenarios or conscientious energy management are needed.

FEATURES
• Dual technology US - Ultrasonic and PIR - Passive Infrared Sensors provide a wide coverage area with excellent detection capabilities
• Smart, adaptive software automatically and continuously adjusts timer settings and sensitivity, providing a lifetime of maintenance-free operation
• Non-volatile memory for sensor settings
• Infrared sensitivity knob helps minimize false triggers
• Adjustable timer conserves energy
• Status LED’s flash when occupancy is detected
• Relay and photocell control
• Coverage area:
  - OCS 100C - 2,000 square feet
  - OCS 100W - 1,600 square feet
• UL and cUL listed
• California Title 24 compliant
• DIP switches for fine tuning device settings
• Ships with a 12V to 24V adapter for easy integration into 12 volt systems

Model | Version Description | Part Number
--- | --- | ---
OCS 100C | 2000 square feet, Ceiling Mount | 60-1664-01
OCS 100W | 1600 square feet, Wall Mount | 60-1665-01

For updated product availability, go to www.extron.com
With networked AV systems, security has become as important of a consideration as performance and reliability. Extron has embraced these new security challenges with our Pro Series control processors. Our new class of high-performance, secure control processors enhance the capabilities of any control system and completes a control ecosystem that is secure by design.

The AV LAN Port – Isolated and Secure
We are pleased to introduce a new series of IP Link Pro control processors with dedicated AV LAN ports designed to isolate local AV devices and safeguard them against outside intrusion or interference. These control processors are available as standalone products, or integrated into other Extron products, such as our IN1608 IPCP Series of scaling presentation switchers and the DTP CrossPoint IPCP Series of presentation matrix switchers. In addition to the AV LAN ports, these control processors feature advanced security standards and Gigabit Ethernet ports, designed to ensure compatibility with multiple TouchLink Pro touchpanels using a standard network infrastructure.

Configuration or Programming - Your Choice
IP Link Pro control processors can be configured using Global Configurator Plus or Global Configurator Professional software or programmed using Extron Global Scripter.
- AV LAN ports allow AV devices to be isolated from the corporate network
- Support secure industry standard communication protocols
- AV device management, monitoring, and control over standard Ethernet networks
- Support popular BMS - Building Management System protocols
- Configure with Extron Global Configurator Plus/Pro or program with Global Scripter software

Safeguarding the Integrity of Extron Products on the Network
Customers rely on secure products and solutions, and it is our goal to ensure that Extron products meet this expectation. We perform regular performance and compliance reviews for each product we manufacture. While different types of products may have different security goals, we incorporate all of the appropriate security principles throughout the development of Extron hardware and software to maintain the highest security standards and integrity.
**IPCP Pro 555**  
**IP Link Pro Control Processor**

The Extron IPCP Pro 555 is a versatile, high-performance control processor with a secure, dedicated AV LAN port. It features advanced security standards and dual Gigabit Ethernet ports, which ensure compatibility with multiple TouchLink® Pro touchpanels using a standard network infrastructure. Of the two Ethernet ports, the AV LAN is designed to control local AV devices, and safeguard them from outside intrusion or interference. The IPCP Pro 555 can be used with Extron LinkLicense®, which further enhances the capabilities of Extron Pro Series control systems. The IPCP Pro 555 is an ideal choice for controlling multiple devices and control signal types within AV systems requiring an isolated AV network.

**FEATURES**
- Supports TouchLink Pro touchpanels and eBUS® button panels
- AV LAN port allows AV devices to be isolated from the corporate network
- Supports secure industry standard communications protocols
- Supports LinkLicense
- Six bidirectional RS-232 serial ports with software handshaking
- Two bidirectional RS-232/RS-422/RS-485 serial ports with hardware and software handshaking
- Eight IR/Serial ports for one-way control of external devices
- Four Flex I/O ports
- Eight relays for controlling room functions
- Four independently switched 12 VDC outputs
- Ethernet monitoring and control on each Ethernet port
- Supports popular BMS – Building Management System protocols, such as BACnet, KNX, and DALI

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<th>Model</th>
<th>Version Description</th>
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<td>IP Link Pro Control Processor</td>
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<tr>
<td>IPCP Pro 555</td>
<td>IP Link Pro Control Proc., LL UI Upgrade</td>
<td>60-1434-01A</td>
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**IPCP Pro 360**  
**IP Link Pro Control Processor**

The Extron IPCP Pro 360 is a high-performance control processor with three dedicated AV LAN ports and one standard Ethernet port. The control processor can provide PoE+ to external devices; eliminating the need for additional power supplies. It features advanced security standards and Gigabit Ethernet ports, which ensure compatibility with multiple TouchLink® Pro touchpanels using a standard network infrastructure. The AV LAN ports are designed to control local AV devices, and safeguard them from outside intrusion or interference. The IPCP Pro 360 can be used with Extron LinkLicense®, which further enhances the capabilities of Extron Pro Series control systems. The IPCP Pro 360 is an ideal choice for controlling multiple devices and control signal types within AV systems requiring an isolated AV network.

**FEATURES**
- Supports TouchLink Pro touchpanels and eBUS® button panels
- Three AV LAN ports allow AV devices to be isolated from the corporate network
- AV LAN ports provide PoE+ to external devices
- Supports secure industry standard communications protocols
- Supports LinkLicense®

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<th>Model</th>
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<td>IPCP Pro 360</td>
<td>IP Link Pro Control Proc., LL UI Upgrade</td>
<td>60-1432-01A</td>
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For updated product availability, go to www.extron.com
IP LINK PRO CONTROL PROCESSORS

IPCP Pro 355DR
IP Link Pro Control Processor - DIN Rail

The Extron IPCP Pro 355DR is a versatile, high-performance DIN rail mountable control processor with a secure, dedicated AV LAN port. It features advanced security standards and dual Gigabit Ethernet ports, which ensure compatibility with multiple TouchLink® Pro touchpanels using a standard network infrastructure. Of the two Ethernet ports, the AV LAN is designated to control local AV devices, and is secure from outside interference or intrusion. The IPCP Pro 355DR can be used with Extron LinkLicense®, which enhances the capabilities of Extron Pro Series control systems. The IPCP Pro 355DR is ideal for controlling multiple devices and signal types within AV systems requiring an isolated AV network while providing DIN rail mounting flexibility common in automation applications or legacy structures where component space is a concern.

FEATURES
- Securely mounts to an industry-standard DIN rail commonly used by third party automation equipment in racks and cabinets
- Supports TouchLink® Pro touchpanels and eBUS® button panels
- AV LAN port allows AV devices to be isolated from the corporate network
- Supports secure industry standard communications protocols
- Supports LinkLicense®
- Two bidirectional RS-232 serial ports with software handshaking
- One bidirectional RS-232/RS-422/RS-485 serial port with hardware and software handshaking
- Two IR/Serial ports for one-way control of external devices

Model | Version Description | Part Number
--- | --- | ---
IPCP Pro 355DR | IP Link Pro Control Processor, DIN Rail | 60-1433-01
IPCP Pro 355DR | IP Link Pro Control Proc., DIN Rail, LL UI Upgrade | 60-1433-01A

IPCP Pro 350DR
IP Link Pro Control Processor - DIN Rail

The Extron IPCP Pro 350DR is a versatile, high-performance DIN rail mountable control processor. It features advanced security standards and Gigabit Ethernet, which ensures compatibility with multiple TouchLink® Pro touchpanels using a standard network infrastructure. It also supports Extron LinkLicense®, which further enhances the capabilities of Extron Pro Series control systems. The IPCP Pro 350DR is ideal for controlling multiple devices and control signal types within AV systems while providing DIN rail mounting flexibility common in automation applications or legacy structures where component space is a concern.

FEATURES
- Securely mounts to an industry-standard DIN rail commonly used by third party automation equipment in racks and cabinets
- Supports TouchLink® Pro touchpanels and eBUS® button panels
- Supports secure industry standard communications protocols
- Supports LinkLicense®
- Two bidirectional RS-232 serial ports with software handshaking
- One bidirectional RS-232/RS-422/RS-485 serial port with hardware and software handshaking
- Two IR/Serial ports for one-way control of external devices

Model | Version Description | Part Number
--- | --- | ---
IPCP Pro 350DR | IP Link Pro Control Processor, DIN Rail | 60-1430-01
IPCP Pro 350DR | IP Link Pro Control Proc., DIN Rail, LL UI Upgrade | 60-1430-01A
IP LINK PRO CONTROL PROCESSORS

IPCP Pro 255
IP Link Pro Control Processor

The Extron IPCP Pro 255 is a compact, high-performance control processor with a secure, dedicated AV LAN port. It features advanced security standards and dual Gigabit Ethernet ports, which ensure compatibility with multiple TouchLink® Pro touchpanels. Of the two Ethernet ports, the AV LAN is designed to control local AV devices, and safeguard them from outside intrusion or interference. The IPCP Pro 255 can be used with Extron LinkLicense®, which further enhances the capabilities of Extron Pro Series control systems. The IPCP Pro 255 is an ideal choice for controlling multiple devices and control signal types within AV systems requiring an isolated AV network.

FEATURES
• Supports TouchLink® Pro touchpanels and eBUS® button panels
• AV LAN port allows AV devices to be isolated from the corporate network
• Supports secure industry standard communications protocols
• Supports LinkLicense®
• One bidirectional RS-232 serial port with software handshaking
• One bidirectional RS-232/RS-422/RS-485 serial port with hardware and software handshaking
• One IR/Serial port for one-way control of external devices
• Four Digital I/O ports
• Two relays for controlling room functions
• eBUS port for connecting eBUS button panels and accessories
• Automatic clock synchronization allows touchpanel to display the accurate time and date

Model | Version Description | Part Number
--- | --- | ---
IPCP Pro 255 | IP Link Pro Control Processor | 60-1431-01
IPCP Pro 255 | IP Link Pro Control Proc., LL UI Upgrade | 60-1431-01A

SCALERS

IN1608 xi
Eight Input HDCP-Compliant Scaling Presentation Switcher with DTP Extension

The Extron IN1608 xi is an HDCP-compliant scaling presentation switcher with four HDMI inputs, two universal analog video inputs, and two Extron DTP® inputs. It includes dual HDMI outputs, one DTP output, an integrated Class D audio power amplifier, and a built-in IPCP Pro control processor for complete AV system control. The DTP inputs and output work with DTP endpoints to extend video, audio, and bidirectional control signals. Each DTP transmitter/receiver link requires just a single shielded CATx cable. The DTP output is configurable for HDBaseT compatibility. The IN1608 xi provides the convenience of supporting local and remote sources and displays, with fast and reliable source switching, and a high performance scaling engine for HDMI and analog sources. The IN1608 xi also includes a host of audio switching and processing features.

FEATURES
• Integrates HDMI, analog video, and audio sources into presentation systems
• DTP output is compatible with HDBaseT-enabled devices
• Integrated DTP inputs and output support transmission of video, control, and analog audio up to 330 feet (100 meters) over a shielded CATx cable
• IPCP models with integrated three-port AV LAN switch allow AV devices to be isolated from the corporate network
• Available with energy efficient Class D stereo or mono amplifier: 2 x 50 watts @ 4 ohms; 2 x 25 watts @ 8 ohms; 1 x 100 watts @ 70 volts
• RS-232 insertion from the Ethernet control ports

Model | Version Description | Part Number
--- | --- | ---
IN1608 xi | Standard Model | 60-1238-81
IN1608 xi SA | 2 x 50 Watt Stereo Power Amplifier | 60-1238-82
IN1608 xi MA 70 | 100 Watt 70 V Mono Power Amplifier | 60-1238-83
IN1608 xi IPCP SA | Control Processor and Stereo Amp | 60-1238-85
IN1608 xi IPCP SA with LinkLicense | Control Processor and Stereo Amp, LL UI Upgrade | 60-1238-85A
IN1608 xi IPCP MA 70 | Control Processor and 70 V Mono Amp | 60-1238-86
IN1608 xi IPCP MA 70 with LinkLicense | Control Processor and Mono Amp, LL UI Upgrade | 60-1238-86A

For updated product availability, go to www.extron.com
You’ve Never Seen a Scaler Like This Before
The AV Industry’s First 4K/60 @ 4:4:4 HDMI Scalers

DSC HD-HD 4K Series
HDMI to HDMI 4K Scalers with Audio Embedding and De-Embedding

The Extron DSC HD-HD 4K Series is a family of HDCP 2.2-compliant scalers capable of converting between HDMI resolutions ranging from 480i to 4096x2160. They incorporate the Extron-exclusive Vector 4K scaling engine, specifically engineered for 4K applications including full-motion video and highly detailed computer graphics. PLUS models deliver 4K/60 performance with full 4:4:4 signal processing and feature 18 Gbps HDMI 2.0 interfaces. The DSC HD-HD 4K Series scalers offer many integrator-friendly features, such as on-screen display, stereo audio embedding and de-embedding, internal test patterns, and the ability to display custom images and logos for on-screen corporate branding and messaging. There are three models in the series: the DSC HD-HD 4K A, DSC HD-HD 4K PLUS A, and the DSC HD-HD 4K PLUS A xi.

Vector 4K Scaling
The DSC HD-HD 4K Series incorporates the Extron exclusive Vector 4K scaling engine, developed in-house and engineered to deliver best-in-class image upscaling and downscaling.

FEATURES
• HDMI to HDMI 4K scaling
• HDCP 2.2 compliant
• HDMI 2.0 interfaces with support for data rates up to 18 Gbps – PLUS models
• Advanced 4:4:4 signal processing
• Accepts HDMI video from 480i up to 4096x2160
• Selectable output rates from 640x480 up to 4096x2160
• Advanced Extron Vector™ 4K scaling engine
• Motion-adaptive deinterlacing for signals up to 1080i
• Automatic 3:2 and 2:2 pulldown detection
• Displays user-supplied images for screen saver, corporate branding, logo insertion, and HDCP notification
• Logo image keying and display
• HDMI audio embedding
• HDMI audio de-embedding
• Supports custom EDID and output resolutions
• Image freeze control
• Internal video test patterns and pink noise generator for calibration and setup
• On-screen menus
• RS-232 control port
• Easy setup and commissioning with Extron’s PCS - Product Configuration Software
• Highly reliable, energy-efficient internal universal power supply
**SCALERS**

**DSC HD-HD 4K A**
HDMI to HDMI 4K Scalers with Audio Embedding and De-Embedding

**UNIQUE FEATURES**
- Supports HDMI input and output signals up to 4096x2160/30

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<td>4K/30 4:4:4 Single HDMI Input and Output</td>
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</table>

**DSC HD-HD 4K PLUS A**
HDMI to HDMI 4K Scalers with Audio Embedding and De-Embedding

**UNIQUE FEATURES**
- Supports HDMI input and output signals up to 4096x2160/60

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<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>DSC HD-HD 4K PLUS A</td>
<td>4K/60 4:4:4 Single HDMI Input and Output</td>
<td>60-1573-01</td>
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</table>

**DSC HD-HD 4K PLUS A xi**
HDMI to HDMI 4K Scalers with Audio Embedding and De-Embedding

**UNIQUE FEATURES**
- Supports HDMI video up to 4096x2160/60 on single or dual HDMI connections
- Combine dual 2048x2160/60 inputs into a single 4K/60 HDMI output
- Split a single 4K input into two 2048x2160/60 HDMI outputs
- Provides duplicate 4K/60 outputs from a single 4K/60 input
- Display two 1080p inputs and background graphic on a single 4K/60 output

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>DSC HD-HD 4K PLUS A xi</td>
<td>4K/60 4:4:4 Dual HDMI Inputs and Outputs</td>
<td>60-1573-02</td>
</tr>
</tbody>
</table>

**DSC HD-HD 4K PLUS A xi Multipath Options:**
The DSC HD-HD 4K PLUS A xi provides the flexibility of scaling and managing 4K/60 signals for either single or dual path HDMI applications:

- Single input up to 4K/60, dual path 4K/60 scaled output
- Dual path input up to 4K/60, single scaled output up to 4K/60
- Matched-resolution inputs, scaled output up to 4K/60
- Single input up to 4K/60, duplicate scaled outputs up to 4K/60

For updated product availability, go to www.extron.com
Quantum Ultra
Ultra-High Bandwidth 4K Videowall Processor with HyperLane Bus

Quantum Ultra is a modular 4K videowall processor with high-performance scaling and windowing technology that accommodates a wide range of applications. And now, it's even more flexible with the addition of the new DTP output card, capable of delivering 4K signals up to 330 feet over twisted pair cable. Quantum Ultra features the Extron Vector™ 4K scaling engine and 400 Gbps HyperLane™ video bus capable of carrying a multitude of high-resolution sources for unmatched real-time performance. Custom output resolutions, portrait and landscape outputs, output overlap, and mullion compensation provide compatibility with nearly any display technology. RS-232 and Ethernet interfaces provide direct connections for control systems. Quantum Ultra’s configurability, features, and performance make it a future-ready solution for any videowall application.

FEATURES
• Scalable 4K videowall processing for display systems of any size
• Modular architecture accommodates a variety of input and output arrangements
• Future-ready 400 Gbps HyperLane™ video bus delivers unparalleled real-time performance
• Extron-engineered EverLast™ power supplies designed for 24/7, mission-critical environments
• Simultaneous management of multiple output resolutions and screen arrangements from a single processor
• Extron Vector™ 4K scaling engine
• Input and output cards support resolutions up to 4096x2400
• Supports portrait and landscape screen orientation

OUT4DTP FEATURES
• Transmits up to four outputs at distances up to 330 feet (100 meters) over a shielded CATx cable
• Selectable DTP, XTP, and HDBaseT output modes
• Supports 4K on one, two, or four connections
• Power insertion enables remote powering of DTP receivers
• Bidirectional RS-232 and IR insertion for AV device control
• No compromise 4:4:4 Signal Processing
**NEW PRODUCTS**

**Quantum IN4HDMI**
**Quantum OUT4DTP**
**Quantum OUT4HDMI**
**Quantum Ultra 610**

Model | Version Description | Part Number
--- | --- | ---
Quantum Ultra 610 | 6U, 10-slot Frame | 60-1571-01
Quantum OUT4HDMI | Four-channel HDMI Output Card | 70-1118-01
Quantum OUT4DTP | Four-channel DTP Output Card | 70-1162-01
Quantum IN4HDMI | Four-channel HDMI Input Card | 70-1171-01

**HyperLane - Unparalleled Real-Time Performance**
Quantum Ultra features a dedicated high-speed video bus incorporating Extron HyperLane technology, which delivers real-time performance unattainable by other videowall processors. The future-ready HyperLane video bus has a high throughput of 400 Gbps, sufficient to simultaneously carry more than twenty 4K/60 source resolutions. It also possesses the bandwidth required to support evolving signal formats, such as 8K, and the higher resolutions, dynamic range (HDR), greater color depth, and expanded color gamut these signals will provide.

**Versatile Windowing Capabilities**

**Flexible, Modular Architecture**
The Quantum Ultra 610 is a 6U, 10-slot card frame that supports any combination of input and output cards, and multiple card frames can be configured and operated as a single system to accommodate any size videowall. The IN4HDMI input card accepts four HDMI signals up to 2K, two HDMI signals up to 4K/30, or one 4K/60 source. The OUT4HDMI and OUT4DTP output cards deliver from one to four outputs at resolutions from 1024x768 to 4K/60.

**Vector 4K Scaling**
Quantum Ultra incorporates the Extron-exclusive Vector 4K scaling engine, developed in-house and engineered to deliver best-in-class image upscaling and downsampling. Vector 4K embodies several Extron-patented scaling technologies, plus a new set of image processing algorithms that deliver uncompromising scaling performance. This enables sharp, accurate 4:4:4 processing and scaling of video and computer video signals up to 4K, as well as downsampling of 4K source signals for display in small windows or on lower resolution displays without losing critical image detail.

**Flexible Configuration**
Quantum Ultra’s configurability make it compatible with nearly any display type, for any application. It accommodates a mixture of display devices with varying resolutions. Output overlap facilitates integration with edge-blended projection environments. Redundant, hot swappable EverLast™ power supplies are a standard feature, and were designed and engineered by Extron for continuous, dependable operation. Two IEC connections, each dedicated to a single power supply, facilitate operation across separate circuits for increased redundancy.

**Advanced Features**
Quantum Ultra’s presentation features ensure your video display presents the information you need, exactly how you want to see it. Sources can be windowed and positioned anywhere on the video display. Fade through black when switching between presets enhances presentation capabilities. Static image files can be stored locally on the Quantum Ultra, and displayed with full keying and alpha channel support. Internally generated clocks can be presented in a variety of time formats, in multiple time zones. Custom color borders can be applied to any window, with support for rounded corners, drop shadows, flashing, and transparency. Up to 64 windows can be displayed per output card, allowing flexible presentation of unique and repeated live sources, stored images, and clock windows. Dynamic, internal test patterns simplify system configuration and display setup.

**Reliable, Redundant Power**
Quantum Ultra was engineered for continuous operation in mission-critical environments. Redundant, hot swappable EverLast™ power supplies are a standard feature, and were designed and engineered by Extron for continuous, dependable operation. Two IEC connections, each dedicated to a single power supply, facilitate operation across separate circuits for increased redundancy.

**System Configuration and Control**
Quantum Ultra setup and preset configuration is performed using Extron VCS - Videowall Configuration Software, running on a PC connected to the rear panel USB or Ethernet port. This intuitive application simplifies configuration of even the largest and most complex systems. Settings and preset changes within the software are automatically synchronized and stored on the videowall processor, allowing multiple videowalls to be easily controlled from a single Quantum Ultra processor.

**Portrait Videowall**

For updated product availability, go to www.extron.com
NEW PRODUCTS

VIDEOWALL PROCESSORS

Quantum Connect Series
HDCP-Compliant Videowall Processors

The Extron Quantum® Connect Series are HDCP-compliant videowall processors that are ideal for videowalls with two, four or six displays. They deliver the same high quality scaling and real-time performance as Extron’s Quantum Elite processors. They deliver powerful video processing and high performance scaling technology capable of producing superior quality images. Quantum Connect 82 and Quantum Connect 84 incorporate a 4U chassis and support eight HDMI inputs with two or four HDMI outputs. Quantum Connect 126 features a 6U chassis with solid-state storage drives and dual-redundant power supplies. It supports 12 HDMI inputs and six HDMI outputs. All models are ideal for crafting professional quality videowall presentations and digital signage in public spaces, retail environments, and control rooms.

FEATURES
• Videowall processing for videowalls with up to six displays
• HDCP-compliant HDMI inputs and outputs support resolutions up to 1920x1200 and 1080p/60
• High speed, dedicated video/graphic bus delivers real-time performance
• High quality image upsampling and downsampling
• Bezel compensation for flat-panel displays
• Quantum Connect 84 and Quantum Connect 126 integrate easily into environments that incorporate a 4K display such as lobbies, auditoriums, and simulation systems
• HDCP Visual Confirmation provides a green signal when encrypted content is sent to a non-compliant display
• Key Minder® continuously verifies HDCP compliance for quick, reliable switching
• HDCP encryption status LEDs on HDMI inputs and outputs
• Reliable connectivity for HDMI cables
• Easy-to-use configuration and control software
• Optimal reliability for critical environments

STREAMING AV

SMP 111
Single Channel H.264 Streaming Media Processor

The SMP 111 is a high performance recording and streaming processor for capturing and distributing AV sources and presentations as live streaming and recorded media. The SMP 111 accepts an HDMI signal with embedded audio and an analog audio signal. Extron high performance scaling and flexible signal processing enable superior display of content of varying resolutions from computers and HDTV sources. The SMP 111 supports extensive streaming capabilities.

FEATURES
• Process live, high resolution HDMI video and audio with metadata
• Record and stream simultaneously
• High quality scaling with aspect ratio control, size, and position
• Produces MP4 media files that are compatible with virtually any media player
• Automatic file uploading
• RTMP streaming protocol supports popular third party hosting services

Works with these hosting services

NOW SHIPPING
One Touch Recording

Extron’s StudioStation™ is a quick, simple, and convenient solution for one-touch recording of high quality video and audio presentations. To turn the system on, insert a USB stick and press the record button to begin recording. Systems are customizable to support any installation. StudioStation solutions are ideal for flipped classroom recordings, lecture capture, student assessments, rehearsal spaces, moot courts, or any other application where making a recording by pressing only one button is desired.

Simple to Operate
When the user inserts a USB storage device into the remote control panel, the system automatically powers up and is ready for use. Simply press the record button to begin recording. Once the recording is complete, removing the USB storage device places the system into a standby state and turns off any devices connected to the power controller. The core components can be located securely in an equipment rack, with only the control panel and USB connection visible to the user.

Quality Recordings for Any Application
Extron’s high performance scaling and flexible signal processing enable superior recording of nearly all HDMI source resolutions. The default recording setup is configured for 720p at 5 Mbps, producing an MP4 media file, which is compatible with virtually any media player or editing software. Using the embedded web page, it is easy to customize the default configuration to meet the needs of many applications.

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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<tr>
<td>StudioStation</td>
<td>White</td>
<td>42-269-02</td>
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</tbody>
</table>

For updated product availability, go to www.extron.com
NEW PRODUCTS

STREAMING AV

RCP 101 Series
Remote Control Panels for SMP Series Products

Extron RCP 101 Series remote control panels feature backlit transport controls for remote operation of Extron SMP Series products. A USB port provides convenient access to a thumb drive or external portable storage. RCP 101 panels have status and alarm indicator lights with an audible buzzer. A 15 foot (4.6 meter) USB cable is included. The RCP 101 panels may be used with Extron USB Extender Plus Series twisted pair extenders to support distances up to 330 feet (100 meters). Available in decorator-style, MK, and EU versions; the EU version is compatible with Flex55 enclosures or EU junction boxes. RCP 101 Series panels include black and a white faceplates to compliment a wide range of environments. MK model is available in white only.

FEATURES
• Backlit transport controls for SMP Series products
• USB port for convenient thumb drive access
• Available versions include decorator-style, MK, and EU
• Compatible with Flex55 mounting kits and enclosures - RCP 101 EU
• USB port supports thumb drives and external portable drives
• Status and alarm indicators with buzzer

<table>
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<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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<tr>
<td>RCP 101 D</td>
<td>SMP Series Remote Control Panel - Decorator-Style . 60-1598-01</td>
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<tr>
<td>RCP 101 MK</td>
<td>SMP Series Remote Control Panel - MK Mount . . . . . . . . . 60-1598-22</td>
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<tr>
<td>RCP 101 EU</td>
<td>SMP Series Remote Control Panel - Flex55 and EU . . 60-1598-32</td>
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</tbody>
</table>

WIRELESS

WAP 100AC
Wireless Access Point

The Extron WAP 100AC is a ceiling mounted dual-band wireless access point engineered for heavy network traffic and demanding business environments. It supports the latest wireless technologies, including dual-band frequency operation with Band Steering, high-transmit power, enhanced receive sensitivity MIMO, and four internal high-gain antennas that all help maximize network performance and expand device network connectivity. The WAP 100AC also supports the latest PoE+ standards, allowing it to receive power and communication over a single Ethernet cable. The WAP 100AC is ideal for providing wireless access to devices running the Extron Control App.

FEATURES
• Supports both IEEE 802.11a/n/ac on 5 GHz and IEEE 802.11b/g/n on 2.4 GHz standards
• Four internal 5 dBi omni-directional antennas
• Easy setup via internal web pages
• LED indicators for WPS, WLAN 5G, WLAN 2.4G, Ethernet port, and Power
• Enhanced network security
• Band steering
• Supports PoE+ or 12V DC power supply

<table>
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<tr>
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<th>Version Description</th>
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<td>WAP 100AC US</td>
<td>Dual-Band AC1200, Ceiling Mount - US . . . . . 60-1635-01</td>
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<tr>
<td>WAP 100AC EU</td>
<td>Dual-Band AC1200, Ceiling Mount - EU . . . . . 60-1635-11</td>
<td></td>
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</table>
USB PLUS MATRIX CONTROLLER

Switching Controller for USB Extender Plus Series

The Extron USB Plus Matrix Controller provides a simple setup and management interface for USB switching systems using up to 64 USB Extender Plus Series transmitters and receivers, over a Gigabit Ethernet network. Using Extron SIS commands, over an Ethernet or RS-232 input, any AV control processor can easily control USB switching. Extron’s Product Configuration Software - PCS is used to quickly configure the transmitters, receivers, and controller to create a scalable USB matrix. By using the USB Plus Matrix Controller and other transmitters and receivers in the USB Extender Plus Series, a simple distributed USB matrix switching system for one room or a larger area can be created.

FEATURES
- USB switching controller for systems using up to 64 USB Extender Plus Series transmitters and receivers
- RS-232 and Ethernet control ports
- Uses existing structured or category cabling to create USB matrix switcher
- Simple setup and configuration for faster installations
- Allows control from Extron control systems

**Model** | **Version** | **Description** | **Part Number**
---|---|---|---
USB Plus Matrix Controller | Controller | 42-267-01

Interactive Display Wall with USB Plus Matrix Controller providing switching capabilities from the AV control system to allow any of the six input workstations to be selected and used from any of the three touch displays.
NEW PRODUCTS

ARCHITECTURAL CONNECTIVITY

FLEX55

Flex55 Mounting System

Extron Flex55 modules and mounting products provide a stylish architectural solution that works almost anywhere, including Europe, Asia, North America, and other world markets. Putting together Flex55 mounting solution is a simple 3 step process:

1. **Start with a module.** From AV connectivity and data, to global power and control solutions, Extron offers a variety of active EU modules and Flex55 pass-through modules to meet your needs.

2. **Select your mounting kit.** Mounting Kits are available in one- to four-gang sizes; each opening holds one Flex55 or active EU module.

3. **Select a Flex55 enclosure or EU junction box for your system;** or decide to directly mount it into a flat surface such as a podium or lectern.

Combined, Flex55 systems create simple solutions that enhance any room.

SMB 210 Series

Low Profile Surface Mount Boxes for Extron Flex55 and EU Products

Extron SMB 210 Series Low Profile Surface Mount Boxes are two-gang to four-gang enclosures for external mounting of Flex55 products, including EU modules and a wide variety of blank and pass-through connectivity modules. SMB 210 Series surface mount boxes have a stylish, contoured, low profile design that complements any environment, bringing convenient access to power, connectors, and control to lecterns, tabletops, and other flat surfaces. The optional Table Clamp Kit secures SMB 210 boxes to table edges without marring the surface. The Table Clamp Kit includes a cable shield for cable management in SMB 210 Series boxes.

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>SMB 212</td>
<td>Two-gang, White</td>
<td>70-1142-23</td>
</tr>
<tr>
<td>SMB 213</td>
<td>Three-gang, White</td>
<td>70-1142-33</td>
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<tr>
<td>SMB 214</td>
<td>Four-gang, White</td>
<td>70-1142-43</td>
</tr>
<tr>
<td>SMB Table Clamp Kit</td>
<td>for SMB 210 Series; White</td>
<td>70-1160-13</td>
</tr>
</tbody>
</table>

Captive Cable Kit with Two Split-Ring Holes

Cable Pass-Through Flex55 Plate

The Extron Captive Cable Pass-Through Kit with Two Split-Ring Holes has two 0.375" (.95 cm) AV cable openings. The unique, flexible split-ring design allows for ease of assembly, installation, and service. A hole plug is included to cover any unused openings. The Captive Cable Kit mounts in products that accept two half-space Flex55 openings. Available in black and white.

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
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<tbody>
<tr>
<td>Captive Cable Kit</td>
<td>Black</td>
<td>70-1181-02</td>
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<tr>
<td>Captive Cable Kit</td>
<td>White</td>
<td>70-1181-03</td>
</tr>
</tbody>
</table>
ARCHITECTURAL CONNECTIVITY

**Flex55 100 Series Power Modules**

AC and USB Power Modules for Flex55 and EU Junction Boxes

Flex55 100 Series Power Modules are designed for use with Flex55 mounting systems. Available with AC power outlets for the US, Europe, and other major world markets. Flex55 100 AC power modules feature one unswitched AC power outlet or two +5VDC USB power outlets with up to 2.1A / 10.5 watts of USB power for charging mobile devices such as smartphones and tablets. Flex55 USB modules can deliver full power to either USB outlet when only one device is connected. The Flex55 AC 101 US model has an attached AC power cord; all other models come equipped with an attached IEC pigtail. The Multi-Region outlet is compatible with a variety of AC plug types; refer to the Compatibility Guide for details. Flex55 USB PowerPlate 102 and Flex55 AC 101 Multi-Region power modules are available in a black or white finish.

**FEATURES**
- Designed for use with Extron’s elegant Flex55 frames and enclosures
- AC power modules available with US, Europe, and Multi-Region outlets
- AC power modules offer one unswitched AC power outlet per module
- USB power modules provide two 5 VDC USB power outlets and up to 2.1 A / 10.5 watts of power for charging iOS and Android phones or tablets
- Multi-Region AC outlet is compatible with a variety of AC plug types
- AC power modules include an attached 12” (30.5 cm) IEC pigtail

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
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<tbody>
<tr>
<td>Flex55 AC 101 US</td>
<td>One US Outlet, Black</td>
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<tr>
<td>Flex55 AC 101 MULTI</td>
<td>One Multi-Region Outlet, Black</td>
<td>60-1692-12</td>
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<td>Flex55 AC 101 MULTI</td>
<td>One Multi-Region Outlet, White</td>
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<tr>
<td>Flex55 AC 101 EU</td>
<td>One Central Europe Outlet, Black</td>
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<td>One Central Europe Outlet, White</td>
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<tr>
<td>Flex55 USB PowerPlate 102</td>
<td>Two USB Outlets, Black</td>
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<tr>
<td>Flex55 USB PowerPlate 102</td>
<td>Two USB Outlets, White</td>
<td>60-1693-03</td>
</tr>
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</table>

**FMR 206**

2U Full Rack Width Panel for Flex55 and EU Modules

The Extron FMR 206 is a 2U, full rack width mounting panel with openings to accommodate up to twelve half-size or six full-size Flex55 and EU modules. It is designed for use with Extron Flex55 and EU modules such as eBUS and DTP EU modules to be installed in an equipment rack. Available in black.

**FEATURES**
- Rack mount kit for Extron Flex55 and EU modules
- Openings for up to twelve half-size or six full-size Flex55 or EU modules
- 2U, full rack width
- Available in black
- Dimensions: 3.46” x 19.0” x 0.5” (8.8 cm x 48.3 cm x 1.3 cm)

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</table>
ARCHITECTURAL CONNECTIVITY

**Two HDMI Female to Female on 10" Pigtails**
Architectural Adapter Plate - Single Space

<table>
<thead>
<tr>
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<td>70-1219-02</td>
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</table>

**One HDMI Female to Female on 10" Pigtail,**  
**One RJ-45 Female to Female Barrel - CAT 5e**  
Architectural Adapter Plate - Single Space

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<thead>
<tr>
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<td>70-1220-02</td>
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**One 15-pin HD Female to Female on 6" Pigtail,**  
**One 3.5 mm Mini Jack on Captive Screw**  
Architectural Adapter Plate - Single Space

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**AAP SuperPlate 160**  
Architectural Adapter Plate - Double Space

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<tr>
<td>70-1076-62</td>
<td>70-1076-63</td>
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</table>
ARCHITECTURAL CONNECTIVITY

Cable Cubby 100
Series/2 Cable Access Enclosures for AV Connectivity and Power

The Cable Cubby® 100 is a compact, round furniture-mountable cable access enclosure for AV connectivity and AC or USB power. Ideal for single-user applications, it has connectivity openings for two single-space Mini Architectural Adapter Plates - MAAPs or three AV cables. The Cable Cubby 100 enclosure without power holds an additional two MAAPs. The Cable Cubby 100 Switch Kit includes an integrated pushbutton switch for “Show Me,” push to talk, or mute mic applications. Cable Cubby 100 enclosures are designed to allow service of cables and MAAPs from the top after installation. Its round shape makes installation fast and simple using a 4” (102 mm) hole saw. A cover plate conceals mounting screws giving a refined appearance. The Cable Cubby 100 is available in black.

FEATURES
• AC Power Modules are available for US, Europe, and other major world markets
• Powered versions accommodate one unswitched AC power outlet or two USB power ports and two MAAPs – Mini Architectural Adapter Plates or three AV cables
• Non-powered versions accommodate up to four MAAPs, or three AV cables and two MAAPs
• Unique, split ring design allows cables to be installed or serviced from the top of the enclosure before or after installation
• Fast installation with standard 4” (102 mm) round hole saw
• Cable Cubby 100 US enclosure is UL/c-UL listed
• Cable Cubby 100 enclosures are CE compliant

<table>
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<th>Model</th>
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<td>Cable Cubby 100 US</td>
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<td>Cable Cubby 100 UK</td>
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<td>Cable Cubby 100 FR</td>
<td>One France AC</td>
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<tr>
<td>Cable Cubby 100 MULTI</td>
<td>One Multi-Region AC</td>
<td>60-1592-10</td>
</tr>
<tr>
<td>Cable Cubby 100 Switch Kit</td>
<td>(1) LED for Cable Cubby US, USB, and Non-Powered</td>
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</table>

AC+USB 224 US Series Power Modules
AC+USB Power Modules for Cable Cubby Series/2 Enclosures

Extron AC+USB 224 US power modules for Cable Cubby® Series/2 and EBP 1200C enclosures feature two unswitched US AC power outlets and two USB power outlets. The standard model is equipped with an attached 9.5 foot (2.90 m) power cord. The conduit model comes equipped with a 6 foot (1.83 m) length of 3/8 inch flexible conduit and a 6 inch (15 cm) pigtail of three-wire cable for applications requiring a hard-wired conduit to AC power. Both newly redesigned power modules feature an integrated Extron-designed and engineered power supply for ease of installation. AC+USB 224 US power modules provide up to 4 A / 20 watts of power for charging iOS and Android phones and tablets.

FEATURES
• For use with Cable Cubby Series/2 and EBP 1200C enclosures
• Features an integrated Extron power supply for ease of installation
• Provides a total of 4 A / 20 watts of power
• Features two unswitched US AC power outlets and two USB power outlets
• Includes either an attached 9.5’ (2.9 m) AC power cord or an attached 6’ (1.83 m) length of 3/8” flexible conduit with a 6” (15.24 cm) pigtail of three-wire cable
• UL/c-UL listed

<table>
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<tr>
<th>Model</th>
<th>Version Description</th>
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<td>AC+USB 224 US</td>
<td>(2) US AC &amp; (2) USB Outlets w Integrated PS</td>
<td>60-1697-01</td>
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<td>AC+USB 224 US, Conduit</td>
<td>(2) US AC &amp; (2) USB Outlets w Integrated PS</td>
<td>60-1697-20</td>
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</table>
ARCHITECTURAL CONNECTIVITY

WPD 150 A
Pass-Through Wallplate - Decorator-Style for HDMI, VGA, and Audio

The Extron WPD 150 A is a pass-through, decorator-style wallplate for HDMI, VGA, and stereo audio. It features a pass-through HDMI Female to HDMI Female connector on 10” pigtail, VGA Female to VGA Female connector on 6” pigtail along with a 3.5 mm stereo mini jack to captive screw adapter, providing a simple and elegant integration solution. The audio port can be covered when not in use. The WPD 150 A includes a matching white single-gang decorator-style wallplate and audio port cover, and fits a standard US one-gang size junction box.

FEATURES
• Features pass-through connectors
• Signals passed through unprocessed
• Passes EDID information from VGA display to the source
• Mud ring included
• Audio port cover included
• Includes a matching white single-gang decorator-style wallplate

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>WPD 150 A</td>
<td>HDMI w/Audio CS and VGA</td>
<td>70-766-33</td>
</tr>
</tbody>
</table>

TMK 110 D
Table Mount for Single-gang Decorator-Style Modules

The Extron TMK 110 D is a compact, under-table mount for single-gang decorator-style modules. The TMK 110 D mounts AV and control modules close against the furniture surface, providing maximum leg room below the installed mount. The top portion of the mount provides convenient keyhole openings for attachment to the table surface. Edges and corners are rounded to prevent clothing snags. The TMK 110 D is designed with flush sides to mount multiple units seamlessly side by side. It is compatible with Extron active modules such as DTP T HWP 4K 231 D DTP Transmitter, EBP 108 D eBUS Button Control Panel, and pass-through WPD Series Wallplates. The TMK 110 D is available in a durable, black powder coat finish to match TMK 100 AAP Series and TMK 120 R under-table mounts.

FEATURES
• Accommodates a single-gang decorator-style module
• Modules mount securely against the furniture surface for maximum leg room
• Compatible with TMK 100 AAP Series for AAPs and TMK 120 R for Retractor Series/2 cable retractor modules
• Mounting hardware included
• Available in a durable black powder coat finish

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<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>TMK 110 D</td>
<td>Mounts One Decorator-Style Module - Black</td>
<td>70-1031-12</td>
</tr>
</tbody>
</table>
ARCHITECTURAL CONNECTIVITY

CableCover
Under-Table Cable Bag for AVEdge and Cable Cubby Enclosures

Extron CableCover™ is a durable, fitted bag that mounts below most AVEdge™, Cable Cubby® Series/2, EBP 1200C, and TouchLink® Cable Cubby cable access enclosures. It improves under-table cable management and aesthetics, minimizes cable tangles, and prevents accidental disconnections. CableCover has ample room to hold up to eight AV cables or three Extron standard cable retraction modules. Simple pass-through openings at the top and bottom of the bag facilitate cable installation and connection with both surface- and floor-mounted AV products. A covered exterior channel provides tie-down openings for cables and Extron PS Series power supply. CableCover is available in two sizes, CableCover - Large, and CableCover - Small. Available in black; all mounting hardware included.

FEATURES
- Features a covered exterior channel with tie-down openings for cables and Extron PS Series power supplies
- Under-table cable bag for improved cable management and aesthetics
- Ideal for use in new or existing AVEdge™ and Cable Cubby® installations
- Minimizes cable tangles and prevents accidental disconnections
- Accommodates up to eight AV cables or three cable retraction modules
- Convenient top and bottom cable pass-through openings simplify use with surface- and floor-mounted AV products
- Available in two sizes:
  - CableCover - Small: fits Cable Cubby 100, 202, 300, and 500/500CCB enclosures
  - CableCover - Large: fits AVEdge, Cable Cubby 600, 700, 800, 1200, 1400, EBP 1200C, and select TouchLink Cable Cubby enclosures

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CableCover- Large</td>
<td>For AVEdge and Select Higher Capacity Cable Cubbys</td>
<td>70-1080-02</td>
</tr>
<tr>
<td>CableCover- Small</td>
<td>For Cable Cubby 100, 200, 202, 300, 500/500CCB</td>
<td>70-1080-03</td>
</tr>
</tbody>
</table>

For updated product availability, go to www.extron.com
**NEW PRODUCTS**

**SPECIALIZED PRODUCTS**

**PS 1205 C / PS 1215 C**

12V Replacement Power Supplies Featuring ZipClip™

Extron PS 1205 C and PS 1215 C PS Series Desktop Power Supplies are 12V replacement power supplies featuring ZipClip™. These rack-mountable power supplies provide up to 18 watts of power and meet the Level VI standard for energy efficiency for lower power consumption, helping meet green building requirements. The PS 1205 C and PS 1215 C feature a captive screw DC power connector for easy connection to Extron products. Each includes a ZipClip mounting kit, which mounts the power supply to rack rails, tables, and lecterns. With an one-eighth rack width by 1U enclosure, they can be discreetly installed into small spaces. Threaded inserts make it simple to mount directly onto Extron rack shelves. The unique design allows direct mounting to projector poles, table legs, and other oddly shaped structures.

**FEATURES**
- Energy-efficient, Level VI rated power supplies for low power consumption and reduced operating costs
- Extron designed and engineered for increased durability and reliability with a high MTBF
- PS 1205 C features 12 VDC, 0.5 A with 6 watts of power
- PS 1215 C features 12 VDC, 1.5 A with 18 watts of power
- Rack mountable
- Extron-engineered EverLast™ power supplies designed for 24/7, mission-critical environments
- Patent Pending enclosure
- Patented ZipClip™ mounting bracket included

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>PS 1205 C</td>
<td>12V, 0.5A, Captive Screw Connector</td>
<td>70-1175-01</td>
</tr>
<tr>
<td>PS 1215 C</td>
<td>12V, 1.5A, Captive Screw Connector</td>
<td>70-1174-01</td>
</tr>
</tbody>
</table>

**ZipClip 50**

Mounting Kit for PS 1205 C Power Supply

The Extron ZipClip 50 mounting kit enables the Extron PS 1205 C External Power Supply to be securely mounted on most surfaces, including racks, tables, and lecterns. The ZipClip is mounted first and the power supply is then inserted into the clip and securely locked into place with a simple “click”. Wire tie cutouts in the ZipClip enable proper strain relief and dressing of excess cable. ZipClip 50 kits are available in packs of 10 for use with PS 1205 C External Power Supply.

**FEATURES**
- Patented ZipClip mounting system
- Enables the Extron PS 1205 C External Power Supply to be securely mounted to rack rails, tables, shelves, and lecterns
- Locks power supply into place with a simple “click”
- Wire tie slots for proper strain relief and dressing of excess cable
- Designed and manufactured by Extron
- Ideal for use with products that include the PS 1205 C power supply

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZipClip 50</td>
<td>Qty. 10 mounting clips and accessories</td>
<td>101-027-01</td>
</tr>
</tbody>
</table>
DPM-HDF 4K PLUS Series
DisplayPort Male to HDMI Female Active Adapters

The Extron DPM-HDF 4K PLUS Series are active DisplayPort to HDMI adapters for signals up to 4K/60 @ 4:4:4. Active circuitry converts DisplayPort packetized signals to TMDS for connection to HDMI devices. The adapters feature DisplayPort male and HDMI female connectors with gold-plated contacts and are powered by the connected DisplayPort source device. EDID, HDCP, and audio information are passed through between source and display. The DPM-HDF 4K PLUS Series are ideal for connecting DisplayPort-equipped sources to HDMI displays or other sink devices.

### FEATURES
- Provides connectivity between DisplayPort sources and HDMI displays and peripherals
- Provides active conversion of DisplayPort signals to HDMI
- Supports resolutions up to 4K/60 @ 4:4:4 with data rates up to 18 Gbps
- Complies with VESA Interoperability Guidelines
- HDCP compliant
- Passes EDID information from HDMI display to the source
- Supports 8-channel LPCM and HBR audio
- Latching DisplayPort connector
- Gold-plated contacts
- The DPM-HDF/0.5 4K PLUS:
  - 6" (15 cm) adapter cable for ease of installation
- The DPM-HDF/6 4K PLUS:
  - Includes a male to male HDMI coupler and LockIt® HDMI cable lacing bracket
  - Certified for use with AVEdge, Cable Cubby®, and HSA surface access enclosures

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<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>DPM-HDF 4K PLUS</td>
<td>DisplayPort M-HDMI F Active Adapter</td>
<td>26-712-01</td>
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<tr>
<td>DPM-HDF/0.5 4K PLUS</td>
<td>DisplayPort M-HDMI F Active, 6&quot; (15cm)</td>
<td>26-713-01</td>
</tr>
<tr>
<td>DPM-HDF/6 4K PLUS</td>
<td>DisplayPort M-HDMI F Active, 6&quot; (1.8 m)</td>
<td>26-714-06</td>
</tr>
</tbody>
</table>

DPH 101 4K PLUS
DisplayPort to HDMI Active Adapter

The Extron DPH 101 4K PLUS is a compact one input, one output active DisplayPort to HDMI adapter. It accepts signals up to 4K/60 @ 4:4:4. Incoming DisplayPort signals are equalized up to 12 feet (3 meters) at the input to compensate for signal loss. The DPH 101 4K PLUS reconditions the outgoing signal, ensuring signal integrity up to an additional 12 feet (3 meters) from the output to the connected HDMI device. The active, one-way adapter can share a power supply with another Extron product, or use an optional 12V 1A power supply for standalone applications. The DPH 101 4K PLUS is ideal for AV applications that require the integration of DisplayPort sources into HDMI system designs.

### FEATURES
- Provides connectivity between DisplayPort sources and HDMI displays and peripherals
- Provides active conversion of DisplayPort signals to HDMI
- Equalizes incoming DisplayPort signals up to 12 feet (3 meters) to compensate for signal loss due to low quality cables or marginal sources
- Reconditions outgoing HDMI signals to ensure signal integrity up to 12 feet (3 meters) to the connected device
- Supports computer and video resolutions up to 4K/60 @ 4:4:4 with data rates up to 18 Gbps
- Complies with VESA Interoperability Guidelines
- HDCP compliant
- Supports 8-channel LPCM and HBR audio

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<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>DPH 101 4K PLUS</td>
<td>DisplayPort F-HDMI F, Active Adapter</td>
<td>60-1686-01</td>
</tr>
</tbody>
</table>

For updated product availability, go to www.extron.com
Initially just an interface for data and peripheral devices, USB technologies have rapidly evolved to support audio, video, data, and fast charging. The latest evolution for USB connectors is USB Type-C, also known as USB-C, which streamlines AV system connections while providing increased speed, functionality, and convenience. USB-C is gaining support from major device manufacturers, and personal devices including mobile phones, tablets, and laptops increasingly offer USB-C connectivity. In some cases, USB-C is the only output offered. However, many devices still do not support this standard, necessitating the use of adapters to incorporate USB-C devices into traditional AV systems. To meet this need, Extron has introduced a new line of adapters and cables that support USB-C.

One Connector with Many Possibilities
As a single-cable solution for the simultaneous delivery of audio, video, data, and power for any platform or device, USB-C offers significant advantages for professional AV environments:

Alternate Modes for Alternate Signal Support
USB-C also accommodates a variety of interface specifications through Alternate modes. Alternate modes allow for the integration of DisplayPort, HDMI, MHL, audio, and Thunderbolt devices through USB-C connectors.

SuperSpeed
The USB-C connector supports the latest USB 3.1 specification. USB 3.1 provides data transfer speeds up to 10Gbps, 20x times faster than the USB 2.0 standard. The increased bandwidth allows USB to deliver video, audio, data, and power over a single cable.

Faster Charging, Larger Devices
USB-C also supports fast charging, delivering up to 100 watts to power most devices, including tablets, desktops, and workstations. Slim enough for phones and robust enough for larger devices, it is the only cable needed to charge almost any device.

Convenience
USB-C also offers the convenience of a reversible connector orientation enabling users to plug their devices in the first time, every time.

Opportunities to Learn More
As with any new technology, the introduction of USB-C presents both opportunities and challenges. Devices with USB-C connectivity vary in their capabilities, supporting a broad range of speed, power, and video standards. As new products with USB-C connectivity enter the market, familiarity with the technology becomes critical, particularly when integrating new devices into existing or legacy systems. Extron’s School of Emerging Technologies 4K provides comprehensive training that empowers integrators to master 4K AV technologies including the incorporation of USB-C into professional AV environments. See www.extron.com/training for more information.

USB White Paper
For a more in-depth review of USB and its use in professional AV environments, Extron has created an informative white paper entitled, “Understanding USB in Professional AV Environments.”

Download the USB White Paper at www.extron.com/usbpaper
CABLES & ADAPTERS

**USBC**
USB 3.1 USB-C Cable

**FEATURES**
- SuperSpeed USB 5 Gbps
- USB 3.1 compliant
- Delivers up to 60 watts of power
- Reversible USB Type-C connectors

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>USBC/6</td>
<td>USB-C, 6' (1.8 m)</td>
<td>26-715-06</td>
</tr>
</tbody>
</table>

**USBC-HD**
USB-C to HDMI Adapter Cable

**FEATURES**
- Provides connectivity between USB Type-C equipped sources that support DisplayPort Alt Mode and HDMI displays and peripherals
- 4K verified
- HDCP compliant
- Available in 6" (15 cm) and 6' (1.8 m) cable lengths

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>USBC-HDF/0.5</td>
<td>USB-C male to HDMI female, 6&quot; (15 cm)</td>
<td>26-720-01</td>
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<tr>
<td>USBC-HDM/6</td>
<td>USB-C male to HDMI male, 6' (1.8 m)</td>
<td>26-717-06</td>
</tr>
</tbody>
</table>

**USBC-DP**
USB-C to DisplayPort Adapter Cable

**FEATURES**
- Provides connectivity between USB Type-C equipped devices that support DisplayPort Alt Mode and DisplayPort devices
- 4K verified
- HDCP compliant
- Available in 6" (15 cm) and 6' (1.8 m) cable lengths

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>USBC-DPM/6</td>
<td>USB-C male to DP male, 6' (1.8 m)</td>
<td>26-716-06</td>
</tr>
<tr>
<td>USBC-DPF/0.5</td>
<td>USB-C male to DP female, 6&quot; (15 cm)</td>
<td>26-719-01</td>
</tr>
</tbody>
</table>

**USBC-A**
USB-C to USB-A Cable

**FEATURES**
- Provides connectivity between USB Type-C sources and USB Type-A peripherals
- SuperSpeed USB 5 Gbps
- Reversible USB Type-C connector

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>USBC-A/6</td>
<td>USB-C to USB-A, 6' (1.8 m)</td>
<td>26-723-06</td>
</tr>
</tbody>
</table>

**USBC CFG**
USB-C to USB Mini-B Configuration Cable

**FEATURES**
- Provides connectivity between USB Type-C sources and USB Mini-B peripherals
- Compatible with Extron products that feature a mini USB “CONFIG” port

<table>
<thead>
<tr>
<th>Model</th>
<th>Version Description</th>
<th>Part Number</th>
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</thead>
<tbody>
<tr>
<td>USBC CFG/6</td>
<td>USB-C to USB Mini-B, 6' (1.8 m)</td>
<td>26-718-06</td>
</tr>
</tbody>
</table>
NEW PRODUCTS

CABLES & ADAPTERS

DisplayPort Ultra Series
Ultra Flexible DisplayPort Cables

Extron DisplayPort Ultra Series cables are designed to provide and maintain the digital connection between DisplayPort-enabled devices while supporting the 1.2 standard. They ensure flawless transmission of high resolution signals for DisplayPort-enabled devices. DisplayPort Ultra Series cables support resolutions to 4K @ 60 Hz (4096 x 2160). Engineered with Extron-exclusive ultra-flexible 30 AWG cable, these cables feature a low bend radius and gold-plated connectors. DisplayPort Ultra Series cable assemblies are available in four cable lengths of 3' (90 cm), 6' (1.8 m), 9' (2.7 m), and 12' (3.6 m), and provide latching connectors to provide a secure connection.

FEATURES
• DisplayPort 1.2 compliant
• 4K@60 4:4:4 Verified
• Supports resolutions to 4096x2160 @ 60 Hz
• Supports data rates up to 21.6 Gbps
• 30 AWG copper wire construction
• Latching DisplayPort connectors
• Gold-plated contacts
• Available in lengths from 3 feet to 12 feet (90 cm to 3.6 m)
• Certified for use with AVEEdge, Cable Cubby®, and HSA surface access enclosures

Model | Version Description | Part Number
--- | --- | ---
DisplayPort Ultra/3 | 3' (90 cm) | 26-691-03
DisplayPort Ultra/6 | 6' (1.8 m) | 26-691-06
DisplayPort Ultra/9 | 9' (2.7 m) | 26-691-09
DisplayPort Ultra/12 | 12' (3.6 m) | 26-691-12

CSC 6
Captive Screw to Category Cable Adapter

The Extron CSC 6 is a convenient 4-pole male captive screw connector to RJ-45 adapter with a six-inch pigtail. This compact connector is sold in pairs and is ideal for use between an Extron IPCP Pro Series control processor and an eBUS device, as well as between eBUS devices where CATx cable is needed. The CSC 6 can also be used between Extron ACP panels and DMP 128 Plus audio processors.

FEATURES
• Provides a 4-pole male captive screw connector to RJ45 jack
• Compact design with six-inch pigtail for easy installation in small spaces
• Sold in pairs

Model | Version Description | Part Number
--- | --- | ---
CSC 6 | Adapter Six-Inch Pigtail, Pair | 101-029-02
School of Emerging Technologies 4K
The Essential Course for AV Professionals Who Design and Integrate 4K Systems

The School of Emerging Technologies 4K provides in-depth instruction that allows system designers, resellers, consultants, and AV beginners to master 4K AV technologies within a short time span. The training concentrates on preparing AV infrastructure for current 4K needs and an 8K future. The instruction shows how to design digital 4K AV systems by teaching concepts and techniques for a range of technologies. The student-instructor ratio is kept low to ensure that each class member receives individual attention. The School of Emerging Technologies 4K provides instructor-led training and demonstration along with hands-on experiences in real-world scenarios to reinforce learning.

Course Content
The School of Emerging Technologies 4K is a two-day course that consists of the following general categories:

- Master the methods for designing digital AV systems that incorporate 4K, deep color, HDR and other emerging technologies
- Understand the capabilities of signal processors and how they can be used to improve presentations
- Learn how fiber optic cables work, their performance characteristics, and when to use fiber optic cable
- Determine how to manage AV streaming latency, compression, and bandwidth for optimal results within a networked environment
- See how digital signal processing allows the operator to alter audio signals in terms of time, spectrum, or level
- Utilize Extron Pro Series control products, software, and technologies to configure user-friendly AV system control

Learn More
To find out more about the School of Emerging Technologies 4K training course, contact your Extron S3 Customer Support Representative.
Extron ProDSP Specialist Certification

Learn How to Harness the Full Power of Extron ProDSP

The Extron ProDSP Specialist - EDSP certification program is designed to prepare individuals to successfully deploy and maintain AV systems that include Extron ProDSP products. Attendees will experience the versatility and advanced features within Extron DSP Configurator Software. The DSP Configurator Software provides access to all the DSP tools inside Extron DSP and ProDSP products to simplify audio setup and optimization. EDSP Certification demonstrates mastery of DSP system configuration, control, and management, as well as system configuration best practices and troubleshooting.

Course Content
The Extron ProDSP Specialist certification program is a two-day course that consists of the following general categories:

• Master using Extron DSP Configurator Software to set up, manage, and control Extron digital audio processors and integrated products with ProDSP
• Learn about best practices for optimal audio setup with Extron audio DSP
• Use Extron DSP configurator templates and building blocks for implementation in a variety of applications
• Customize Extron DSP Configurator templates and building blocks to match your needs
• Use acquired knowledge of Extron ProDSP products and their functions to validate proper DSP configuration in multiple AV applications
• Configure and deploy Dante-enabled Extron products in networked audio applications

Learn More
To find out more about the Extron ProDSP Specialist Certification, contact your Extron S3 Customer Support Representative.
Extron Control Systems Certifications
Establish Your Knowledge of Extron Pro Series Control Systems

We have launched two new Extron Control Systems Certification programs designed to prepare individuals to successfully deploy and maintain customized AV control systems that are built around our recently-launched IP Link® Pro Series and TouchLink® Pro Series products. The **Extron Control Specialist – ECS** and **Extron Control Professional – ECP** certifications focus on control system customization for a wide range of applications, advanced device communications, troubleshooting, and best practices.

**Extron Control Specialist – ECS**

**Audience**
This program is ideal for industry professionals who install, configure, operate, manage, and troubleshoot Extron Pro Series control systems. This includes design engineers, AV system installers, and system integration project managers. AV control system design and installation experience is recommended.

**Course Content**
ECS is a two-day course consisting of the following general categories:
- Learn Global Configurator Plus software, and use its powerful capabilities to configure and manage Extron Pro Series control systems
- Control system design concepts
- Configure a wide range of room control functions using Global Configurator Plus
- Create custom control interfaces using GUI Designer software, plus GUI design best practices
- Validate Pro Series control systems in multiple AV environments

**Extron Control Professional – ECP**

**Audience**
This program is ideal for advanced users or control system programmers who understand the complexities of more sophisticated systems. A background of 2-5 years of AV control system design, programming, and installation experience is recommended.

**Course Content**
ECP is a three-day course consisting of the following general categories
- Learn Global Configurator Professional software, and how to take advantage of the advanced features for more complex system designs
- Sophisticated control system design concepts and advanced configuration techniques
- Create custom control interfaces using GUI Designer software, plus GUI design best practices
- Validate complex Pro Series control systems in multiple AV environments

To find out more about the Extron Control Systems Certification programs, contact your Extron S3 Customer Support Representative.
Notes
As a leading manufacturer in the AV industry, we are committed to engineering and manufacturing our products to the highest standards of quality, performance, and value. From our advanced product design, manufacturing and quality control procedures to our friendly and knowledgeable support teams, our commitment to satisfy you is paramount. In every interaction with Extron, you can be confident you will receive our S3 commitment to Service, Support, and Solutions. For 34 years, our objective has been to ensure that every customer is completely satisfied with every purchase.

To underscore this commitment, we offer our Satisfaction Guarantee. This means we will work diligently to resolve any issue you have with your purchase until you are completely satisfied. Extron employees are prepared to do whatever it takes to make certain that the entire process of doing business with us is a positive and professionally rewarding experience for you.

I’m so confident in our ability to deliver on this pledge that I back it personally. If you are not satisfied with any part of your transaction with Extron, I want to know. Please contact me at president@extron.com. I will personally address any unresolved customer issue. We greatly appreciate your business. It is our intent to keep you as a customer for life.

Andrew C. Edwards
President