

# Specifications

## XTP CrossPoint® CP DVI I/O Boards

### Video – XTP CP 4i DVI Pro, XTP CP 4o DVI Pro

**NOTE:** \*Appropriate DVI-D to HDMI cables or adapters are required for HDMI signal input/output.

Gain.....	Unity
Resolution range.....	Up to 1920x1200*, 2k, or 1080p @ 60 Hz *Reduced blanking
Signal type.....	Single link DVI digital video signals are supported.
Digital video.....	RGB digital video (DVI and HDMI standards) or Y, Cr, Cb digital component video (HDMI), actively buffered (supports all single link DVI and HDMI (if using an optional adapter) standards from 640x480 @ 60 Hz to 1920x1200 @ 60 Hz computer video) or 2k

**NOTE:** These XTP CP DVI Pro boards are compatible with HDMI.

Digital audio.....	Supports HDMI audio (if using an HDMI to DVI adapter) transmitted through the RGB and Y, Cr, Cb lines, actively buffered.
EDID and DDC .....	Supports Extended Display Identification Data (EDID) and Display Data Channel (DDC) data using DVI and HDMI standards. EDID and DDC signals are actively buffered.
HDCP .....	Compliant with High-bandwidth Digital Content Protection (HDCP) using DVI and HDMI standards
HPD .....	Supports hot plug detection (HPD) of display as a pass-through signal.
Maximum pixel clock.....	165 MHz
Standards .....	DVI 1.0, HDMI 1.3, HDCP 1.1
Switching speed .....	200 ns, max.
Video format .....	DVI and HDMI
Audio format .....	Analog stereo, Dolby® Digital®, Dolby Digital EX, Dolby Digital Plus, Dolby TrueHD, DTS®, DTS-ES, DTS 96/24, DTS-HD High Res, DTS-HD Master Audio™, up to 8 ch PCM, Dolby Atmos

### Video input – XTP CP 4i DVI Pro

Number/signal type.....	4 digital RGB single link DVI-D (or HDMI*)
Connectors.....	4 female DVI-I (digital only)
Equalization .....	Automatic
Input cable length .....	Up to 100' (30 m) at 1920x1200, 2k, or 1080p @ 60 Hz

**NOTE:** Lower resolutions may support longer transmission distances. Transmission distance varies depending on the signal resolution, type of cable, and source device used in the system.

### Video output – XTP CP 4o DVI Pro

Number/signal type.....	4 digital RGB single link DVI-D (or HDMI*)
Connectors.....	4 DVI-I (digital only)
Re-clocking.....	Automatic
Peripheral device power.....	5 VDC, 250 mA per output

### Audio input – XTP CP 4i DVI Pro

Number/signal type.....	4 stereo, balanced/unbalanced
Connectors.....	(4) 3.5 mm captive screw connector, 5 pole
Supported formats – Pass through	
HDMI/DVI Pro connector .....	LPCM up to 7.1/24-bit/192kHz, Dolby TrueHD, Dolby Digital Plus, Dolby Digital EX, Dolby Digital 5.1, Dolby Digital 2/0 Surround, Dolby Digital 2/0, DTS-HD Master Audio, DTS-HD, DTS ES Discrete 6.1, DTS ES Matrix 6.1, DTS Digital Surround 5.1, DTS 2 Channel, Dolby Atmos
Analog connector .....	Analog stereo audio
Impedance.....	>10k ohms unbalanced/balanced, DC coupled
Nominal level.....	+4 dBu (1.228 Vrms)
Maximum level.....	+21 dBu balanced, +15 dBu unbalanced
Input gain adjustment.....	-18 dB to +18 dB, adjustable per input; default = 0 dB

### Audio output – XTP CP 4o DVI Pro

Number/signal type.....	4 stereo, balanced/unbalanced
Connectors.....	(4) 3.5 mm captive screw connector, 5 pole
Supported formats – Pass through	
HDMI/DVI Pro connector .....	LPCM up to 7.1/24-bit/192kHz, Dolby TrueHD, Dolby Digital Plus, Dolby Digital EX, Dolby Digital 5.1, Dolby Digital 2/0 Surround, Dolby Digital 2/0, DTS-HD Master Audio, DTS-HD, DTS ES Discrete 6.1, DTS ES Matrix 6.1, DTS Digital Surround 5.1, DTS 2 Channel, Dolby Atmos
Analog connector .....	Analog stereo audio
Impedance.....	50 ohms unbalanced, 100 ohms balanced
Gain error.....	±0.1 dB channel to channel
Maximum level (Hi-Z).....	>+21 dBu, balanced or unbalanced at 1% THD+N
Maximum level (600 ohm) .....	>+20 dBm, balanced or unbalanced at 1% THD+N
Volume control range .....	-75.8 dB to 0 dB (volume numbers 0 through 64) in a 35 dB increment from step 0 to step 1, then in 1 dB increments from steps 1 to 64; default = 64 (0 dB)

**NOTE:** Attenuation = volume number minus 64. The default is 0 dB = volume number 64.

### General

Power .....	Supplied by XTP CrossPoint or XTP II CrossPoint enclosure
Power consumption	
XTP CP 4i DVI Pro.....	19 watts
XTP CP 4o DVI Pro.....	16 watts
Product weight .....	2.0 lbs (0.9 kg)
Regulatory compliance	
Environmental.....	Complies with the appropriate requirements of RoHS, WEEE.
Warranty .....	3 years parts and labor

**NOTE:** All nominal levels are at ±10%.

**NOTE:** Specifications are subject to change without notice.

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