

# SW HDMI LC

## TWO AND FOUR INPUT HDMI SWITCHERS



- HDMI video and embedded multi-channel digital audio switching
- Supports HDTV 1080p/60 and PC resolutions up to 1920x1200
- Supports HDMI specification features including data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, Lip Sync, and HD lossless audio formats
- HDCP compliant
- Input cable equalization for each input
- Multiple control points including front panel, RS-232, IR, and auto-input switching
- Rack-mountable 1U, half rack width metal enclosure
- Energy-efficient external universal power supply included

The Extron **SW HDMI LC** switchers are two and four input, one output, HDMI - High-definition Multimedia Interface switchers. They support HDMI specification features including data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, Lip Sync, and HD lossless audio formats. These switchers are ideal for use anywhere multiple HDMI sources need to be switched to one digital display device.



**Extron® Electronics**  
INTERFACING, SWITCHING AND CONTROL

# DESCRIPTION

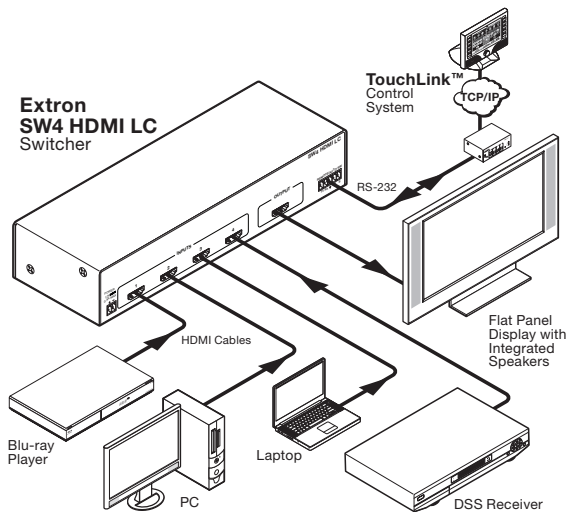
The Extron SW HDMI LC switchers are two and four input, one output, HDMI switchers. They support HDMI specification features including data rates up to 6.75 Gbps, Deep Color up to 12-bit, 3D, Lip Sync, and HD lossless audio formats. The switchers support HDTV rates including 1080p/60 and PC resolutions up to 1920x1200. Front panel LED indicators provide visual confirmation of signal presence. Input cable equalization for each input provides compensation for signal loss when using long cables, low quality cables, or source devices with poor HDMI signal outputs. The HDCP-compliant SW HDMI LC switchers are ideal for sending HDMI video and embedded multi-channel digital audio to a single display.

The switchers also provide +5 VDC, 250mA on the HDMI output for powering peripheral devices such as an Extron HDMI 101 Plus cable equalizer. Convenient control options, including front panel, RS-232, IR, and auto-input switching, allow for easy integration into a variety of environments. The SW HDMI LC switchers are housed in rack-mountable 1U, half rack width metal enclosures.

# FEATURES

- HDMI video and embedded multi-channel digital audio switching
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# APPLICATION DIAGRAM



# SPECIFICATIONS

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

## VIDEO

Maximum data rate .....	6.75 Gbps (2.25 Cbpps per color)
Maximum pixel clock .....	225 MHz
Resolution .....	Up to 1080p @ 60 Hz or 720p/1080i @ 120 Hz, 12-bit color
Formats .....	RGB, YCbCr, and xvYCC digital video
Standards .....	DVI 1.0, HDMI 1.3, HDCP, CEA-861E

## VIDEO INPUT

Number/signal type .....	2 or 4 single link HDMI (or DVI-D*)
Connectors .....	2 or 4 female HDMI type A
Input equalization .....	+6 dB or +18 dB, selectable for each input

## VIDEO OUTPUT

Number/signal type .....	1 single link HDMI (or DVI-D*)
Connectors .....	1 female HDMI type A

## CONTROL/REMOTE — SWITCHER

Serial control port .....	(1) RS-232, 3.5 mm captive screw connector, 5 pole (shared with autoswitching control)
Baud rate and protocol .....	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations .....	1 = Tx, 2 = Rx, 3 = GND
Contact closure .....	(1) 3.5 mm captive screw connector, 5 pole (shared with RS-232)
Contact closure pin configurations .....	Pins 4 and 5 shorted together turn autoswitch mode on.
IR controller module .....	IR 102 remote control (optional) 30' maximum, 40 degrees off axis
Program control .....	Extron control/configuration program for Windows Extron Simple Instruction Set* (SIS*)

## GENERAL

External power supply .....	100 VAC to 240 VAC, 50-60 Hz, external; to 12 VDC, 1 A, regulated
Power input requirements .....	12 VDC, 0.5 A
Temperature/humidity .....	Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing
Cooling .....	Convection, no vents
Mounting	
Rack mount .....	Yes, with optional 1U rack shelf
Furniture mount .....	Yes, with optional under-desk mounting kit or through-desk mounting kit
Enclosure type .....	Metal
Enclosure dimensions .....	1.75" H x 8.75" W x 3.0" D (1U high, half rack wide) (4.4 cm H x 22.2 cm W x 7.6 cm D) (Depth excludes connectors.)
Product weight .....	0.5 lbs (0.3 kg)
Shipping weight .....	2 lbs (1 kg)
Vibration .....	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety .....	CE, c-UL, UL
EMI/EMC .....	CE, C-tick, FCC Class A, ICES, VCCI
MTBF .....	30,000 hours
Warranty .....	3 years parts and labor
NOTE: All nominal levels are at ±10%.	
NOTE: Specifications are subject to change without notice.	

Model	Version Description	Part number
SW2 HDMI LC	Two Input HDMI Switcher .....	60-1159-01
SW4 HDMI LC	Four Input HDMI Switcher .....	60-1160-01

Specifications are subject to change without notice.



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