SW2 HDMI
Two Input HDMI Switcher

UNIQUE FEATURES

• **Two Input HDMI Switcher**

SW4 HDMI
Four Input HDMI Switcher

UNIQUE FEATURES

• **Four Input HDMI Switcher**

SERIES FEATURES

• **HDMI, CEC, and embedded multi-channel digital audio switching**

• **Inputs: 2 or 4 female HDMI type A connectors**

• **Output: 1 female HDMI type A connector**

• **Compatible with all HDTV rates including 1080p/60, and PC resolutions up to 1920x1200**

• **HDCP compliant**

• **Independent input equalization**

• **Source signal presence indication**

• **Auto-input switching**

• **RS-232 control**

• **HDMI 1.3 compatible**

• **IR remote control with optional Extron IR 102 handheld remote control**

• **Rack-mountable 1U, half rack width metal enclosure**

• **External universal power supply included, replacement part # 70-775-01**

DESCRIPTION

The Extron **SW2 HDMI** and **SW4 HDMI** are two and four input, one output, HDMI switchers that allow multiple HDMI signals, including digital video, CEC signals, and embedded multi-channel digital CEC signals, and embedded multi-channel digital audio to be switched to one compatible display. These switchers are compatible with all HDTV resolutions up to 1080p/60 and PC resolutions up to 1920x1200.

Independent input equalization with user-selectable levels, compensates for long HDMI cables, and reduces the need for additional signal conditioning equipment. The SW HDMI Series switchers are user-configurable for manual or autoswitching modes. Autoswitching allows any input of the switcher to be selected automatically when the switcher detects a signal.

Convenient control options allow easy integration into a variety of environments, and include front panel control, IR, and RS-232, and autoswitching. To further simplify integration, both SW HDMI switchers are housed in compact, 1U, half rack width enclosures that are easily mounted into optional Extron 1U Universal Rack Shelf Kits.

MODEL	VERSION DESCRIPTION	PART #
SW2 HDMI	Two Input HDMI Switcher	60-841-01
SW4 HDMI	Four Input HDMI Switcher	60-841-02

Extron ®

SW HDMI

SPECIFICATIONS

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

VIDEO

Maximum data rate	6.75 Gbps (2.25 Gbps per color)
Maximum pixel clock	225 MHz
Resolution	Up to 1080p @ 60 Hz or 720p/1080i @ 120 Hz, 36-bit color
Formats	RGB and YCbCr digital video
Standards	DVI 1.0, HDMI 1.3, HDCP 1.1

VIDEO INPUT

Number/signal type	2 or 4 single link HDMI (or DVI-D*)
Connectors	2 or 4 female HDMI type A

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's control/configuration program for Windows® Extron's 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, 0.7 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, 9.5" deep rack shelf (RSU 129, #60-190-01; RSB 129, 60-604-01); 1U, 6" deep rack shelf (RSU 126, #60-190-10; RSB 126, 60-604-10); or 1 U, 3.5" deep VersaTools® rack shelf (RSF 123, #60-190-20; RSB 123, 60-604-20)
Furniture mount	Yes, with optional MBU 125 Under-Desk Mounting Kit (part #70-077-01) or MBD 129 Through-Desk Mounting Kit (70-077-02)
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)
Listings	UL, CUL
Compliances	CE, FCC Class A, VCCI, AS/NZS, ICES
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.

Note: For complete specifications, please go to www.extron.com

Extron SW4 HDMI Switcher

RS-232 Control

HDMI Cables

Flat Panel Display

Cable Box

DVD

Game Console

DSS Receiver

Extron ®