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Find the *Extron RSU 129* at our website: ***Click HERE***

SW6 VGA Audio

Six Input VGA and Stereo Audio Switcher



FEATURES

- **Inputs: Six female 15-pin HD connectors for computer-video; six captive screw connectors for audio**
- **Output: Female 15-pin HD connector for computer-video; captive screw connector for audio**
- **350 MHz (-3 dB) RGB video bandwidth**
- **Compatible with VGA-QXGA and HDTV component video signals**
- **Auto-input switching** — Automatically switches to the highest-numbered input with an active video signal.
- **RS-232 and contact closure remote control**
- **Switches both balanced and unbalanced audio signals**
- **Audio input gain and attenuation**
- **1U, full rack width metal enclosure**
- **Internal universal power supply**

DESCRIPTION

The Extron **SW6 VGA Audio** is a six input, one output active switcher for VGA and stereo audio signals. Using 15-pin HD connectors, the SW 6 VGA Audio allows multiple computer-video inputs to be switched to one compatible display. The SW6 VGA Audio also provides captive screw terminals for connecting to balanced and unbalanced stereo audio sources.

The SW6 VGA Audio may be controlled via the front panel buttons. A rear panel serial port provides RS-232 control and contact closure control via a 9-pin connector. The switcher is also autoswitchable; front panel buttons allow the user to select between auto-input switching and normal switching. Auto-input switching allows any input of the switcher to be selected automatically when the switcher detects a sync signal. For example, a number of wall plate receptacles can be installed around a room, each routed to one input of a switcher. As soon as an active VGA source is connected to the wall plate, the switcher automatically selects that input. The SW6 VGA Audio fits into the included 19-inch (48.3 cm), 1U rack mount shelf.

MODEL	VERSION DESCRIPTION	PART #
SW6 VGA Audio	Six Input VGA & Audio	60-260-01

OPTIONAL ACCESSORIES	MODEL DESCRIPTION	PAGE	PART #
MBU 129	1U, 1/2 Rack Width Under-Desk Mount Kit for Four-Piece Enclosure	page 855	70-219-01
CCR 204	Four-Button Contact Closure Remote	page 286	60-794-02
CCR 306	Six-Button Contact Closure Remote	page 287	60-795-02
IR 102 Remote Control Kit	IR to RS-232 or Contact Closure Conversion Kit	page 280	70-224-01
SYM BNCM/6	15-pin HD Male to BNC Male Mini High Resolution Cables	page 812	26-533-02
SYM BNCF/6	15-pin HD Male to BNC Female Mini High Resolution Cables	page 813	26-531-02
CSR 6	Captive Screw to RCA Female Audio Adapter	page 834	26-575-01

Continued →

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SW6 VGA Audio

SPECIFICATIONS

VIDEO

Gain	Unity
Bandwidth	350 MHz (-3 dB)
Crosstalk	<-68 dB @ 10 MHz, <-39 dB @ 100 MHz

VIDEO INPUT

Number/signal type	6 VGAQXGA RGBHV, RGBS, RGsB, RsGsBs, HDTV component video
Connectors	6 female 15-pin HD
Nominal level	1.0 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component video
Minimum/maximum levels	Analog: 0.3 V to 1.5 Vp-p with no offset
Impedance	75 ohms
Horizontal frequency	15 kHz to 145 kHz
Vertical frequency	30 Hz to 170 Hz
Return loss	<-42 dB @ 5 MHz

VIDEO OUTPUT

Number/signal type	1 VGAQXGA RGBHV, RGBS, RGsB, RsGsBs, HDTV component video
Connectors	1 female 15-pin HD
Nominal level	1.0 Vp-p for Y of component video 0.7 Vp-p for RGB and for R-Y and B-Y of component video
Minimum/maximum levels	Analog: 0.3 V to 1.5 Vp-p (follows input)
Impedance	75 ohms
Return loss	<-43 dB @ 5 MHz
DC offset	±5 mV maximum with input at 0 offset

SYNC

Input type	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync
Output type	RGBHV, RGBS, RGsB, RsGsBs, bi-level and tri-level sync (follows input)
Input level	1V to 5 Vp-p
Output level	TTL: 5 Vp-p, unterminated
Input impedance	510 ohms
Output impedance	75 ohms
Polarity	Positive or negative

AUDIO

Gain	Unbalanced output: 0 dB; balanced output: +6 dB
Frequency response	20 Hz to 20 kHz, ±0.05 dB
THD + Noise	0.03% @ 1 kHz, 0.3% @ 20 kHz at nominal level
Bandwidth	100 kHz at -3 dB
S/N	>90 dB, balanced, at maximum output (unweighted)
Crosstalk	<-65 dB @ 20 kHz, <-80 dB @ 1 kHz and below 60 Hz, fully loaded
Stereo channel separation	>80 dB @ 1 kHz, >60 dB @ 20 kHz
CMRR	>75 dB @ 20 Hz to 20 kHz

AUDIO INPUT

Number/signal type	6 stereo, balanced/unbalanced
Connectors	(6) 3.5 mm captive screw connectors, 5 pole
Impedance	>12k ohms unbalanced, 25k ohms unbalanced, DC coupled
Nominal level	-10 dBV (316 mV)
Maximum level	+18 dBu, (balanced or unbalanced) at 1% THD+N
Input gain adjustment	15.0 dB to +9.0 dB, adjustable per input

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu

AUDIO OUTPUT

Number/signal type	1 stereo, balanced/unbalanced
Connectors	(1) 3.5 mm captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error	±0.1 dB channel to channel
Nominal level	-4 dBV (63.1 mV)
Maximum level (Hi-Z)	>+26 dBu, balanced; >21 dBu, unbalanced at 1% THD+N
Maximum level (600 ohm)	>+21 dBm, balanced; >+15 dBm unbalanced at 1% THD+N

CONTROL/REMOTE — SWITCHER

Serial control port	RS-232, 9-pin female D connector
Baud rate and protocol	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations	2 = TX, 3 = RX, 5 = GND
Contact closure	9-pin female D connector
Program control	Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™)

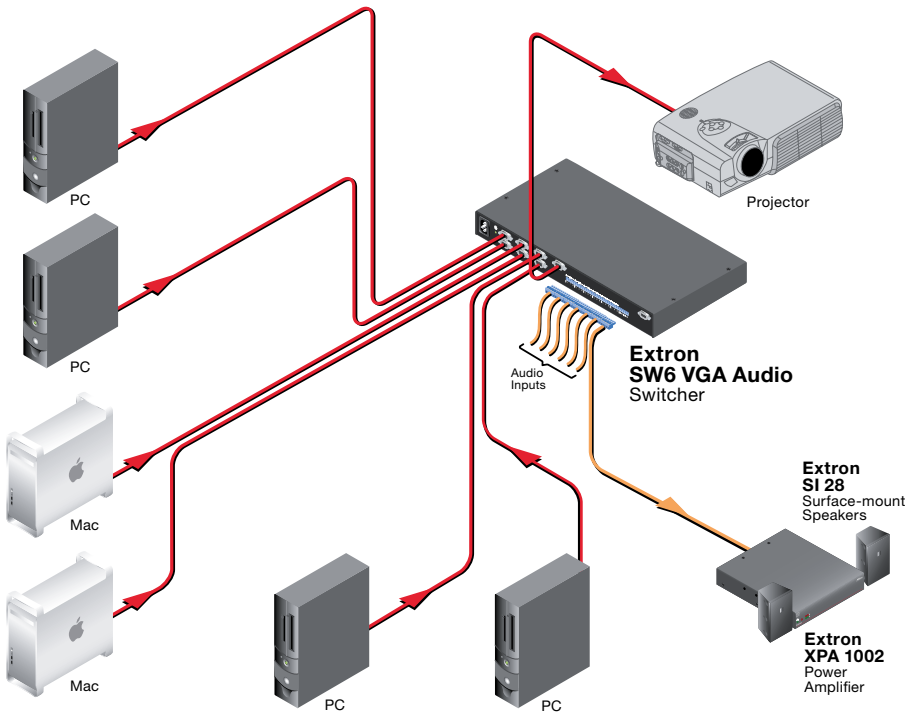
GENERAL

Power	100 VAC to 240 VAC, 50/60 Hz, 30 watts, internal
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 9.5" deep rack shelf (RSU 129, #60-190-01; RSB 129, 60-604-01)
Furniture mount	Yes, with optional MBU 129 under-desk mounting kit, part #70-219-01
Enclosure type	Metal
Enclosure dimensions	1.75" H x 17.1" W x 9.4" D (1U high, full rack wide) 4.4 cm H x 43.4 cm W x 23.9 cm D (Depth excludes connectors.)
Product weight	4.5 lbs (2.0 kg)
Shipping weight	7 lbs (4 kg)
Vibration	ISTA 1A in carton (International Safe Transit Association)
Regulatory compliance	
Safety	CE, CUL, UL
EMI/EMC	CE, FCC Class A
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



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