

Specifications — CrossPoint 84/128 Matrix Switchers

Video input

Number/type	8 or 12 RGBHV, RGBS, RGsB, RsGsBs, HDTV, component video, S-video, composite video
Connectors	8 x 5 BNC female CrossPoint 84 series 12 x 5 BNC female CrossPoint 128 series
Nominal level	Analog — 1.0V p-p
Maximum level(s)	Analog — 0.5V to 2.0V p-p
Impedance	75 ohms
Return loss	-30dB @ 5 MHz
Maximum DC offset	1.5V

Video throughput

Routing	8 X 4 matrix CrossPoint 84 series 12 X 8 matrix CrossPoint 128 series
Gain	Unity
Bandwidth	200 MHz (-3dB), fully loaded
Crosstalk isolation	-50dB @ 5 MHz, -45dB @ 10 MHz
Switching speed	200 nS (max.)

Video output

Number/type/format	4 or 8 RGBHV, RGBS, RGsB, RsGsBs, HDTV, component video, S-video, composite video
Connectors	4 x 5 BNC female CrossPoint 84 series 8 x 5 BNC female CrossPoint 128 series
Nominal level	1V p-p
Maximum level	2V p-p
Impedance	75 ohms
Return loss	-30dB @ 5 MHz
DC offset	±5 mV maximum

Sync

Input type	RGBHV, RGBS, RGsB, RsGsBs
Output type	RGBHV, RGBS, RGsB, RsGsBs
Input level	0.5V to 5.0V p-p, 4.0Vp-p normal
Output level	AGC to TTL — 4V to 5V p-p
Input impedance	75 ohms
Output impedance	75 ohms
Polarity	Positive or negative (follows input)

Audio input — CrossPoint 84A, 84HVA, 128A, 128HVA only

Number/type	8 or 12 stereo, balanced/unbalanced
Connectors	8 or 12 3.5 mm captive screw terminal, 5 conductor
Impedance	12.5 kohm, DC coupled, balanced 25 kohm, DC coupled, unbalanced
Maximum input level	+19.5dBu, (balanced or unbalanced) @ stated %THD+N
CMRR	>75dB @ 20 Hz to 20 kHz

Audio throughput — CrossPoint 84A, 84HVA, 128A, 128HVA only

Routing	8 X 4 stereo matrix	CrossPoint 84 series
	12 X 8 stereo matrix	CrossPoint 128 series
Gain	Unity	
Frequency response	$\pm 0.05\text{dB}$ @ 20 Hz to 20 kHz	
THD + Noise	0.03% @ 1 kHz at rated maximum output drive	
S/N	>90dB, output 21dBu, balanced	
Adjacent input crosstalk	>80dB @ 1 kHz	
Stereo channel separation	CrossPoint 84 series	>90dB @ 1 kHz
	CrossPoint 128 series	>80dB @ 1 kHz

Audio output — CrossPoint 84A, 84HVA, 128A, 128HVA only

Number/type	4 or 8 outputs, stereo, balanced/unbalanced	
Connectors	4 or 8 3.5 mm captive screw terminal, 5 conductor	
Impedance	50 ohms unbalanced, 100 ohms balanced	
Gain	Unbalanced 0dB, balanced +6dB	
Gain error	$\pm 0.1\text{dB}$ channel to channel	
Drive (HI-Z)	> +21dBu, balanced or unbalanced at stated %THD+N	
Drive (600 ohm)	> +15dBu, balanced or unbalanced at stated %THD+N	

Control/Remote — switcher

Serial control port	1 RS-232 or RS-422, 9-pin female D connector	
Baud rate and protocol	9600, 8-bit, 1 stop bit, no parity	
Pin configurations	2 = TX, 3 = RX, 5 = GND	
Program control	Extron's control program for Windows® Extron's Simple Instruction Set™ – SIS™	

General

Power	100VAC to 240VAC, 50/60 Hz, 30 Watts, internal, auto-switchable		
Temperature/humidity	Storage -40° to +158°F (-40° to +70°C) / 10% to 90%, non-condensing Operating +32° to +122°F (0° to +50°C) / 10% to 90%, non-condensing		
Rack mount	Yes, 3U high, with included parts		
Enclosure type	Metal		
Enclosure dimensions	5.25" H x 17.0" W x 9.5" D (excluding connectors) 13.3 cm H x 43.2 cm W x 24.1 cm D		
Shipping weight	17 lbs (7.7 kg) DIM weight		25
Vibration	NSTA 1A in carton (National Safe Transit Association)		
Approvals	UL, CUL, CE		
MTBF	30,000 hours		
Warranty	2 years parts and labor		

NOTE Specifications are subject to change without notice.

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