

Specifications

DTP CrossPoint 108 4K, DTP CrossPoint 86 4K, DTP CrossPoint 84 4K, DTP CrossPoint 82 4K Series

TRUE 4K specification

Max. 4K Capabilities		
Resolution and Refresh Rate	Chroma Sampling	Max. Bit Depth per Color
4096x2160 at 30 Hz	4:4:4	8 bit
3840x2160 at 30 Hz		
4096x2160 at 60 Hz	4:2:4	
3840x2160 at 60 Hz		

Frame rate¹ 24, 25, 30, 50, or 60 fps
 Chroma sampling¹ 4:4:4, 4:2:2, or 4:2:0
 Color bit depth¹ 8 bits per color
 Signal type HDMI 1.4, HDCP 1.4
 Max. video data rate 10.2 Gbps (3.4 Gbps per color)

NOTE: 1Subject to the maximum data rate limit. Use our calculator (www.extron.com/8Kdata rate) to determine video parameters supported by this data rate.

Video

Routing

DTP CrossPoint 108 4K 10 x 8 matrix
 DTP CrossPoint 86 4K 8 x 6 matrix
 DTP CrossPoint 84 4K 8 x 4 matrix
 DTP CrossPoint 82 4K 8 x 2 matrix
 Maximum data rate 10.2 Gbps (3.4 Gbps per color)
 Maximum pixel clock 300 MHz (600 MHz for 4K rates with 4:2:0 chroma subsampling)
 Resolution Up to 2560x1600* @ 60 Hz or
 4K (4096x2160) @ 30 Hz, UHD (3840x2160) @ 30 Hz
 4K/UHD @ 60 Hz with 4:2:0 chroma subsampling**
 (* reduced blanking)
 (** supported only at non-scaled HDMI outputs)
 Formats RGB and YCbCr digital video
 Standards DVI 1.0, HDMI 1.4, HDCP 1.4, CEA-861E

Video input

Number/signal type

DTP CrossPoint 108 4K 6 HDMI digital video (HDCP compliant)
 4 DTP or XTP (configurable)
 DTP CrossPoint 86 4K 6 HDMI digital video (HDCP compliant)
 2 DTP or XTP (configurable)
 DTP CrossPoint 84 4K 6 HDMI digital video (HDCP compliant)
 2 DTP or XTP (configurable)
 DTP CrossPoint 82 4K 6 HDMI digital video (HDCP compliant)
 2 DTP or XTP (configurable)

Specifications • DTP CrossPoint 108 4K, DTP CrossPoint 86 4K, DTP CrossPoint 84 4K, DTP CrossPoint 82 4K Series (Continued)

Connectors

DTP CrossPoint 108 4K	6 female HDMI type A 4 female RJ-45
DTP CrossPoint 86 4K	6 female HDMI type A 2 female RJ-45
DTP CrossPoint 84 4K	6 female HDMI type A 2 female RJ-45
DTP CrossPoint 82 4K	6 female HDMI type A 2 female RJ-45

Matrix video outputs (non scaled)

Number/signal type

DTP CrossPoint 108 4K	4 HDMI digital video (HDCP compliant)
DTP CrossPoint 86 4K	2 HDMI digital video (HDCP compliant)
DTP CrossPoint 84 4K	2 HDMI digital video (HDCP compliant)
DTP CrossPoint 82 4K	0

Connectors

DTP CrossPoint 108 4K	4 female HDMI
DTP CrossPoint 86 4K	2 female HDMI
DTP CrossPoint 84 4K	2 female HDMI
DTP CrossPoint 82 4K	0

Video output power for

active cables (HDMI pin 18)..... 6.6 W total power for all HDMI ports, 1.1 W per HDMI port max

Scaled TP outputs

Number/signal type

DTP CrossPoint 108 4K	4 DTP, XTP, or HDBaseT (configurable) 2 buffered HDMI digital video (HDCP compliant)
DTP CrossPoint 86 4K	4 DTP, XTP, or HDBaseT (configurable) 2 buffered HDMI digital video (HDCP compliant)
DTP CrossPoint 84 4K	2 DTP, XTP, or HDBaseT (configurable) 2 buffered HDMI digital video (HDCP compliant)
DTP CrossPoint 82 4K	2 DTP, XTP, or HDBaseT (configurable) 2 buffered HDMI digital video (HDCP compliant)

Connectors

DTP CrossPoint 108 4K	4 female RJ-45 2 female HDMI
DTP CrossPoint 86 4K	4 female RJ-45 2 female HDMI
DTP CrossPoint 84 4K	2 female RJ-45 2 female HDMI
DTP CrossPoint 82 4K	2 female RJ-45 2 female HDMI

Video processing

Digital pixel data bit depth	8, 10, or 12 bits per channel; 300 MHz pixel clock (HDMI)
Colors	1.07 billion (10-bit processing)

Video input

Horizontal frequency.....	15 kHz to 100 kHz
Vertical frequency	24 Hz to 75 Hz
Resolution range	640x480 to 1600x1200 and 1920x1200* 480i, 480p, 576i, 576p, 720p, 1080i, 1080p, and 2K through 4K @ 30Hz *reduced blanking

Specifications • DTP CrossPoint 108 4K, DTP CrossPoint 86 4K, DTP CrossPoint 84 4K, DTP CrossPoint 82 4K Series (Continued)

Scaled resolutions.....	640x480 ⁸ , 800x600 ⁸ , 852x480 ⁸ , 1024x768 ⁸ , 1024x852 ⁸ , 1024x1024 ⁸ , 1280x768 ⁸ , 1280x800 ⁸ , 1280x1024 ⁸ , 1360x765 ⁸ , 1360x768 ⁸ , 1365x768 ⁸ , 1366x768 ⁸ , 1365x1024 ⁸ , 1400x1050 ⁸ , 1440x900 ⁸ , 1600x900 ⁸ , 1600x1200 ⁸ , 1680x1050 ⁸ , 1920x1200 ⁸
HDTV 480p ^{7,8} , 576p ⁶ , 720p ^{3,4,5,6,7,8} , 1080i ^{6,7,8} , 1080p ^{1,2,3,4,5,6,7,8} , 2048x1080 ^{1,2,3,4,5,6,7,8} , 1920x2160 ^{1,2,3,4,5,6,7,8} , 1920x2400 ^{2,3,5,8} , 2048x1200 ⁸ , 2048x1536 ⁸ , 2048x2160 ^{1,2,3,4,5,6,7,8} , 2048x2400 ^{2,3,5,8} , 2560x1080 ⁸ , 2560x1440 ⁸ , 2560x1600 ⁸ , 3840x2160 ^{1,2,3,4,5} , 3840x2400 ⁵ , 4096x2160 ^{1,2,3,4,5}	
	¹ = at 23.98 Hz, ² = at 24 Hz, ³ = at 25 Hz, ⁴ = at 29.97 Hz, ⁵ = at 30 Hz, ⁶ = at 50 Hz, ⁷ = at 59.94 Hz, ⁸ = at 60 Hz

Logos

Number	16 logos
Resolution range.....	Up to 4096x2160
Image file formats.....	BMP, JPG, PNG, TIFF
Logo effects.....	Transparency, RGB key, level key, alpha key

Shielded twisted pair interconnection

Connectors	Female RJ-45
Termination standard.....	TIA/EIA T568B
Signal transmission distance	
Resolutions up to 1920x1200 and 1080p	
DTP 330	Up to 330' (100 m) using shielded twisted pair cable or XTP DTP 24 TP cable
DTP 230	Up to 230' (70 m) using shielded twisted pair cable or XTP DTP 24 TP cable
2560x1600* and 4K @ 30 Hz (*reduced blanking)	
DTP 330	Up to 330' (100 m) using shielded twisted pair cable or XTP DTP 24 TP cable
DTP 230	Up to 130' (40 m) using shielded twisted pair cable or XTP DTP 24 TP cable
Cable requirements.....	Solid conductor, 24 AWG or better
Cable recommendations.....	400 MHz bandwidth, STP (shielded twisted pair)

NOTE: Extron XTP DTP 24 shielded twisted pair cable is strongly recommended for optimal performance.

NOTE: Input and output mode signaling:

DTP:	HDMI with embedded audio, analog audio, RS-232 and IR, and remote power
XTP:	HDMI with embedded audio plus RS-232 and IR
HDBT:	HDMI with embedded audio plus RS-232 and IR

Audio system (mic/line input to line output)

Gain.....	Unbalanced output: -6 dB; balanced output: 0 dB
Frequency response	20 Hz to 20 kHz, ±0.2 dB
Input impedance.....	>10k ohms unbalanced, >20k ohms balanced
THD + Noise	0.01% at 1 kHz nominal level
S/N.....	105 dB at maximum balanced output (unweighted)
Crosstalk	<-90 dB @ 20 Hz to 20 kHz, fully loaded
Stereo channel separation.....	>80 dB @ 20 Hz to 20 kHz
Digital conversion.....	24-bit, 48 kHz

Specifications • DTP CrossPoint 108 4K, DTP CrossPoint 86 4K, DTP CrossPoint 84 4K, DTP CrossPoint 82 4K Series (Continued)

Audio

Routing

DTP CrossPoint 108 4K	10 x 8 stereo switching matrix 4 x 4 microphone mixing matrix
DTP CrossPoint 86 4K	8 x 6 stereo switching matrix 4 x 4 microphone mixing matrix
DTP CrossPoint 84 4K	8 x 4 stereo switching matrix 4 x 4 microphone mixing matrix
DTP CrossPoint 82 4K	8 x 2 stereo switching matrix 4 x 4 microphone mixing matrix

Supported formats — Pass through

HDMI connectors	LPCM up to 7.1/24-bit/192kHz, Dolby Atmos, 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
Analog connectors	Analog stereo audio
DTP connectors	De-embedded from HDMI [PCM only] or remote balanced/unbalanced analog

Audio input

Number/signal type

DTP CrossPoint 108 4K	6 stereo, analog line level, balanced or unbalanced 6 stereo, de-embedded from HDMI (PCM only) 4 DTP (de-embedded from HDMI [PCM only] and remote balanced/unbalanced analog), or XTP (embedded digital)
DTP CrossPoint 86 4K	6 stereo, analog line level, balanced or unbalanced 6 stereo, de-embedded from HDMI (PCM only) 2 DTP (de-embedded from HDMI [PCM only] and remote balanced/unbalanced analog), or XTP (embedded digital)
DTP CrossPoint 84 4K	6 stereo, analog line level, balanced or unbalanced 6 stereo, de-embedded from HDMI (PCM only) 2 DTP (de-embedded from HDMI [PCM only] and remote balanced/unbalanced analog), or XTP (embedded digital)
DTP CrossPoint 82 4K	6 stereo, analog line level, balanced or unbalanced 6 stereo, de-embedded from HDMI (PCM only) 2 DTP (de-embedded from HDMI [PCM only] and remote balanced/unbalanced analog), or XTP (embedded digital)

Connectors

DTP CrossPoint 108 4K	(6) 3.5 mm captive screw connectors, 5-pole for analog line level inputs 6 female HDMI type A 4 female RJ-45
DTP CrossPoint 86 4K	(6) 3.5 mm captive screw connectors, 5-pole for analog line level inputs 6 female HDMI type A 2 female RJ-45
DTP CrossPoint 84 4K	(6) 3.5 mm captive screw connectors, 5-pole for analog line level inputs 6 female HDMI type A 2 female RJ-45
DTP CrossPoint 82 4K	(6) 3.5 mm captive screw connectors, 5-pole for analog line level inputs 6 female HDMI type A 2 female RJ-45

Analog audio

Nominal level	+4 dBu, -10 dBV adjustable via input gain
Maximum level	+21 dBu balanced, +15 dBu unbalanced
Input gain adjustment	-18 dB to +24 dB, 0.1 dB steps, adjustable per input

NOTE: Unbalanced analog inputs at a DTP Tx input have +12 dB of gain applied to bring the signal to a nominal level for balanced operation.

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

Specifications • DTP CrossPoint 108 4K, DTP CrossPoint 86 4K, DTP CrossPoint 84 4K, DTP CrossPoint 82 4K Series (Continued)

Mic/line input

Number/signal type.....	4 mono, mic/line, balanced/unbalanced (with phantom power)
Connectors.....	(4) 3.5 mm captive screw connectors, 3-pole
Impedance.....	10k ohms unbalanced, 20k ohms balanced
Nominal level.....	-60 dBV, +4 dBu, -10 dBV, adjustable via input gain
Maximum level.....	>+21 dBu at rated THD+N when mic gain is set to 0 dB
Equivalent input noise.....	<-120 dBV (1.0 μ Vrms) at +40 dB input gain
CMRR.....	>70 dB typical
Input gain adjustment.....	-18 dB to +80 dB, in 0.1 dB steps, adjustable per input
Microphone volume range.....	-100 dB to +12 dB
DC phantom power.....	+48 VDC, $\pm$ 10% (inputs 1-4) switched on or off

Audio output

Number/signal type	
DTP CrossPoint 108 4K	6 HDMI embedded 4 DTP (embedded digital and remote balanced/unbalanced analog), XTP (embedded digital), or HDBaseT (embedded digital) 4 stereo balanced/unbalanced analog (variable) 1 SPDIF
Program control	Extron control/configuration program for Windows® Extron Simple Instruction Set (SIS™) Microsoft® Internet Explorer®, Telnet
DTP CrossPoint 86 4K	4 HDMI embedded 4 DTP (embedded digital and remote balanced/unbalanced analog), XTP (embedded digital), or HDBaseT (embedded digital) 4 stereo balanced/unbalanced analog (variable) 1 SPDIF
DTP CrossPoint 84 4K	4 HDMI embedded 2 DTP (embedded digital and remote balanced/unbalanced analog), XTP (embedded digital), or HDBaseT (embedded digital) 4 stereo balanced/unbalanced analog (variable) 1 SPDIF
DTP CrossPoint 82 4K	2 HDMI embedded 2 DTP (embedded digital and remote balanced/unbalanced analog), XTP (embedded digital), or HDBaseT (embedded digital) 2 stereo balanced/unbalanced analog (variable) 1 SPDIF
Connectors	
DTP CrossPoint 108 4K	6 female HDMI 4 RJ-45 (4) 3.5 mm captive screw, 5-pole 1 RCA
DTP CrossPoint 86 4K	4 female HDMI 4 RJ-45 (4) 3.5 mm captive screw, 5-pole 1 RCA
DTP CrossPoint 84 4K	4 female HDMI 2 RJ-45 (4) 3.5 mm captive screw, 5-pole 1 RCA
DTP CrossPoint 82 4K	2 female HDMI 2 RJ-45 (2) 3.5 mm captive screw, 5-pole 1 RCA

Specifications • DTP CrossPoint 108 4K, DTP CrossPoint 86 4K, DTP CrossPoint 84 4K, DTP CrossPoint 82 4K Series (Continued)

Impedance	
Stereo audio.....	50 ohms unbalanced, 100 ohms balanced
S/PDIF.....	75 ohms
Gain error.....	±0.1 dB channel to channel
Maximum level (Hi-Z).....	>+21 dBu, balanced or +15 dBu unbalanced
Output volume range	0 to -100 dB in 0.1 dB steps

EXP port

Transmission type	Proprietary
Connectors.....	1 RJ-45
Inputs	16 channels Rx
Outputs	16 channels Tx
Audio format	24 bit, 48 kHz sampling, uncompressed
EXP cable	Shielded CAT 6 up to 10 meters

Audio output — power amplifier (DTP CrossPoint 4K IPCP SA and DTP CrossPoint 4K IPCP MA models)

Number/signal type	
SA models.....	1 stereo or mono (2 channels total)
MA models.....	1 mono, 70 V
Connector	

NOTE: This connector accepts wires of 22 AWG to 12 AWG.

SA models.....	(1) 5 mm screw lock captive screw connector, 4-pole
MA models.....	(1) 5 mm screw lock captive screw connector, 2-pole
Load impedance	
SA models.....	4 ohms minimum
MA models.....	50 ohms minimum
High pass filter (MA models).....	80 Hz, 12 dB/octave roll off
Amplifier type	Class D
Output power	
SA models.....	25 watts (rms) per channel, 8 ohms, 1 kHz, 0.1% THD 50 watts per channel, 4 ohms, 1 kHz, 0.1% THD
MA models.....	100 watts (rms) @ 70 V, 1 kHz, 0.1% THD
Protection	Clip limiting, thermal, short circuit, DC output
Frequency response	
SA models.....	20 Hz to 20 kHz, +1/–3 dB @ 1 watt
MA models.....	80 Hz to 20 kHz, +1/–3 dB @ 1 watt
THD + Noise	<0.1%, 1 kHz, 3 dB below clipping
S/N.....	>90 dB, 20 Hz to 20 kHz, unweighted

Specifications • DTP CrossPoint 108 4K, DTP CrossPoint 86 4K, DTP CrossPoint 84 4K, DTP CrossPoint 82 4K Series (Continued)

Communications — switcher

Serial control port.....	1 bidirectional RS-232, 3.5 mm captive screw connector, 3-pole (rear panel)
Baud rate and protocol	9600 (default) to 115200 baud, 8 data bits, 1 stop bit, no parity (default)
Serial control pin configuration	1 = Tx, 2 = Rx, 3 = Gnd
USB control port.....	1 front panel female USB mini-B
USB standards	USB 2.0, low speed
Ethernet control port	1 female RJ-45 connector
Ethernet data rate	10/100Base-T, half/full duplex with autodetect
Ethernet protocol	DHCP, DNS, HTTP, HTTPS, IEEE 802.1X, ICMP, NTP, SFTP, SMTP, SNMP, SSH, TCP/IP, UDP/IP, ARP, Telnet
Ethernet default settings	Link speed and duplex level = autodetected IP address = 192.168.254.254 Subnet mask = 255.255.0.0 Default gateway = 0.0.0.0 DHCP = off
Web server	Up to 200 simultaneous sessions 40.0 MB nonvolatile user memory

Communications — external device (pass-through, unidirectional or bidirectional) (RS-232/IR over TP)

NOTE: Protocol is mirrored between the connected TP endpoints and the "Over TP" ports on the DTP CrossPoint switcher. Signals from a control device pass into each DTP CrossPoint switcher "Over TP" port, are embedded with the TP signal, and sent to individual TP Tx or Rx endpoints for control of remote sink or source devices.

The "Over TP" ports are simply pass-through connections to TP endpoints. There is no IR insertion from any DTP CrossPoint switcher control port to the "Over TP" ports. RS-232 can be inserted from the Ethernet connection.

Serial control pass-through ports	
DTP CrossPoint switcher	
input/TP Tx.....	RS-232 via (2) 3.5 mm, 5-pole captive screw connectors (shared with IR ports)
DTP CrossPoint switcher	
output/TP Rx.....	RS-232 via (2) 3.5 mm, 5-pole captive screw connectors (shared with IR ports)
Baud rates.....	300 to 115200 baud
Protocol	8 or 7 data bits 1 or 2 stop bits no parity (default), even, odd, mark, or space parity
Serial control pin configuration	1 = Tx, 2 = Rx, 3 = Gnd
IR pass-through control ports.....	
TTL level (0 to 5 V) modulated infrared control from 30 kHz up to 60 kHz	
DTP CrossPoint switcher	
input/TP Tx.....	(2) 3.5 mm captive screw connectors, 5-pole (shared with RS-232 ports)
DTP CrossPoint switcher	
output/TP Rx.....	(2) 3.5 mm captive screw connectors, 5-pole (shared with RS-232 ports)
IR control pin configuration	3 = Gnd, 4 = IR Tx, 5 = IR Rx

Control Processor – DTP CrossPoint 4K IPCP Models

Memory	
SDRAM	
IPCP models.....	512 MB
IPCP Q models.....	2 GB
Flash	
IPCP models.....	4.5 GB
IPCP Q models.....	8 GB

Specifications • DTP CrossPoint 108 4K, DTP CrossPoint 86 4K, DTP CrossPoint 84 4K, DTP CrossPoint 82 4K Series (Continued)

Software and control options

Software.....	Extron Global Configurator Plus and Professional for Windows®
Control options.....	GlobalViewer®, TouchLink® for Web, TouchLink for iPad®, or TouchLink Pro touchpanels

Ethernet control

Network interface controllers (NICs)	1
Network switch	1 unmanaged 3 port switch
Connectors	3 female RJ-45 connectors
Data rate	10/100/1000Base-T, half/full duplex with autodetect
Protocols.....	DHCP, DNS, HTTP, HTTPS, ICMP, IEEE 802.1X, NTP, SFTP, SMTP, SNMP, SSH, TCP/IP, UDP/IP
Default settings.....	Link speed and duplex level = autodetected IP address = 192.168.254.250 Subnet mask = 255.255.255.0 Gateway = 0.0.0.0 DHCP = off DNS: 127.0.0.1

Serial control

Quantity/type.....	1 bidirectional RS-232, RS-422, RS-485 (port 1) 2 bidirectional RS-232 (ports 2 and 3)
Connectors	(1) 3.5 mm captive screw connector, 5-pole (2) 3.5 mm captive screw connectors, 3-pole
Baud rate and protocol.....	300 to 115200 baud (9600 baud = default); 8 (default) or 7 data bits; 1 (default) or 2 stop bits; no parity (default), even, odd, mark, or space parity

NOTE: The 5-pole ports support both hardware and software flow control.
The 3-pole ports support software flow control.
The default for both types of ports is no flow control.

Pin configurations, serial, 5-pole captive screw

RS-232 (default).....	Pin 1 = Tx, 2 = Rx, 3 = Gnd, 4 = RTS, 5 = CTS
RS-422.....	Pin 1 = Tx-, 2 = Rx-, 3 = Gnd, 4 = Tx+, 5 = Rx+
RS-485.....	Pins 1 and 2 (tied together) = data-, 3 = Gnd, 4 and 5 (tied together) = data+

Pin configurations, serial,

3-pole captive screw	Pin 1 = Tx, 2 = Rx, 3 = Gnd
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Digital I/O control

Quantity/type.....	4 digital input/output (configurable)
Connectors	(1) 3.5 mm captive screw connector, 5-pole

Digital inputs

Input voltage range.....	0 to 24 VDC, clamped a +30 VDC
Input impedance.....	29k ohms
Programmable pullup.....	1k ohms to +5 VDC
Threshold low to high.....	>2.8 VDC
Threshold high to low.....	<2.0 VDC

Digital outputs 250 mA sink from 24 VDC max.

Pin configuration..... 1, 2, 3, 4 = digital I/Os 1, 2, 3, 4; 5 = Gnd

Specifications • DTP CrossPoint 108 4K, DTP CrossPoint 86 4K, DTP CrossPoint 84 4K, DTP CrossPoint 82 4K Series (Continued)

IR/serial control

Quantity/type.....	2 programmable: unidirectional RS-232 (± 5 V), TTL level (0 to 5 V) infrared (carrier and non-carrier) up to 300 kHz
Connector	(1) 3.5 mm captive screw connector, 5-pole
Baud rate and protocol (RS-232).....	300 to 115200 baud (9600 baud = default); 8 (default) or 7 data bits; 1 (default) or 2 stop bits; No parity (default), even, odd, mark, or space parity
Pin configuration.....	For each post, pin 1 = signal, 2 = Gnd
IR output carrier frequency	30 kHz to 300 kHz

Relay control

Quantity/type.....	4 normally open relays
Relay control connectors	(1) 204 mm captive screw, 6-pole
Relay control contact rating	24 VDC, 1 A

General

Power supply	Internal Input: 100-240 VAC, 50-60 Hz
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Power consumption

DTP CrossPoint 108 4K MA	184 watts
DTP CrossPoint 108 4K SA.....	179 watts
DTP CrossPoint 108 4K (non-IPCP).....	154 watts
DTP CrossPoint 86 4K MA	148 watts
DTP CrossPoint 86 4K SA.....	147 watts
DTP CrossPoint 86 4K (non-IPCP).....	119 watts
DTP CrossPoint 84 4K MA	136 watts
DTP CrossPoint 84 4K SA.....	136 watts
DTP CrossPoint 84 4K (non-IPCP)	101 watts
DTP CrossPoint 82 4K MA	125 watts
DTP CrossPoint 82 4K SA.....	124 watts
DTP CrossPoint 82 4K (non-IPCP)	91.2 watts

Remote power capability

DTP CrossPoint 108 4K	Supports up to eight endpoints (four DTP Tx, four DTP Rx) (Remote power not available in XTP and HDBaseT modes)
DTP CrossPoint 86 4K	Supports up to six endpoints (two DTP Tx, four DTP Rx) (Remote power not available in XTP and HDBaseT modes)
DTP CrossPoint 84 4K	Supports up to four endpoints (two DTP Tx, two DTP Rx) (Remote power not available in XTP and HDBaseT modes)
DTP CrossPoint 82 4K	Supports up to four endpoints (two DTP Tx, two DTP Rx) (Remote power not available in XTP and HDBaseT modes)

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	Fans, air flows from right to left (as viewed from front panel)

Specifications • DTP CrossPoint 108 4K, DTP CrossPoint 86 4K, DTP CrossPoint 84 4K, DTP CrossPoint 82 4K Series (Continued)

Thermal dissipation

DTP CrossPoint 108 4K MA	499 BTU/hr
DTP CrossPoint 108 4K SA.....	486 BTU/hr
DTP CrossPoint 108 4K (non-IPCP).....	440 BTU/hr
DTP CrossPoint 86 4K MA.....	375 BTU/hr
DTP CrossPoint 86 4K SA.....	376 BTU/hr
DTP CrossPoint 86 4K (non-IPCP).....	321 BTU/hr
DTP CrossPoint 84 4K MA.....	356 BTU/hr
DTP CrossPoint 84 4K SA.....	355 BTU/hr
DTP CrossPoint 84 4K (non-IPCP).....	279 BTU/hr
DTP CrossPoint 82 4K MA.....	319 BTU/hr
DTP CrossPoint 82 4K SA.....	315 BTU/hr
DTP CrossPoint 82 4K (non-IPCP).....	248 BTU/hr

Mounting

Rack mount..... Yes

Enclosure type Metal

Enclosure dimensions

DTP CrossPoint 108 4K, DTP CrossPoint 86 4K	5.25" H x 17.4" W x 16" D (3U high, full rack wide) (13.3 cm H x 44.2 cm W x 40.6 cm D) (Depth excludes connectors and knobs. Width excludes rack ears.)
DTP CrossPoint 84 4K, DTP CrossPoint 82 4K	3.5" H x 17.4" W x 15.3" D (2U high, full rack wide) (8.9 cm H x 44.2 cm W x 38.9 cm D) (Depth excludes connectors and knobs. Width excludes rack ears.)

Product weight

DTP CrossPoint 108 4K, DTP CrossPoint 86 4K	17 lbs (7.7 kg)
DTP CrossPoint 84 4K, DTP CrossPoint 82 4K	14 lbs (6.4 kg)

Regulatory compliance..... CE, C-tick, c-UL, FCC Class A, ICES, UL, VCCI
Complies with the appropriate requirements of RoHS, WEEE

Product warranty 3 years parts and labor

Everlast power supply warranty..... 7 years parts and labor

NOTE: All Nominal levels are at $\pm 10\%$

NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at www.extron.com.

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