Extron

Specifications

DMP 128 Plus

Audio system

Gain	Balanced output: 0 dB, unbalanced output: -6 dB
Frequency response	20 Hz to 20 kHz, ±0.2 dB
THD + Noise	<0.01%, 20 Hz to 20 kHz, at maximum level
S/N	
Analog In to Analog Out	>107 dB, 20 Hz to 20 kHz, at maximum balanced output (unweighted)
Analog In to Digital Out	110 dB, 20 Hz to 20 kHz, at full-scale output (unweighted)
Digital In to Analog Out	115 dB, 20 Hz to 20 kHz, at maximum balanced output (unweighted)
Crosstalk	<-90 dB @ 20 Hz to 20 kHz, fully loaded
Volume control	-100 dB to 0 dB (control 0 to 100 in 0.1 dB steps)

Audio input

Number/signal type	12 mono, mic/line, balanced/unbalanced, 8 with phantom power, 4 without phantom power
Connectors	(8) 3.5 mm captive screw, 3 pole, mono, balanced/unbalanced (with phantom power) (2) 3.5 mm captive screw, 6 pole, mono, balanced/unbalanced (without phantom power)
Impedance	>10k ohms balanced/unbalanced
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 µVrms) at 40 dB input gain
CMRR	>60 dB typical
Input gain adjustment	-18 dB to +80 dB in 0.1 dB steps, adjustable per input
DC phantom power	+48 VDC, ±10% (inputs 1-8) can be switched on or off per input

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu; All nominal levels are at ±10%

Audio output

Number/signal type	8 mono (or 4 stereo), line, balanced/unbalanced
Connectors	(4) 3.5 mm captive screw, 6 pole, mono, balanced/unbalanced
Impedance	100 ohms balanced, 50 ohms unbalanced
Gain error	±0.1 dB channel to channel
Maximum level (Hi-Z)	>+21 dBu balanced, >+15 dBu unbalanced

Audio processing

A/D, D/A conversion	24-bit, 48 kHz
AEC tail length	>200 msec
AEC convergence	Up to 60 dB/sec
Noise cancellation	Up to 20 dB, software selectable

EXP port

Transmission type	Proprietary
Connector	1 RJ-45
Inputs	16 channels Rx
Outputs	16 channels Tx
Audio format	Uncompressed, 24-bit, 48 kHz
EXP cable	Shielded CAT6 up to 10 meters (1 foot cable included)

USB audio port

Number/signal type	1 USB 2.0
Connector	1 female USB 2.0 mini-B, rear panel
USB standards	USB 2.0, high speed
Maximum built-in USB HUBs	0
Minimum built-in USB HUBs	0
Optional built-in USB HUBs	0

AT ports (DMP 128 Plus AT models only) — audio transport

Transmission type	Dante/AES-67, software selectable
Connectors	4 RJ-45, 4-port 1 Gbps switch to Dante interface
Inputs	48 channels Rx
Outputs	24 channels Tx
Audio format	Uncompressed, 24-bit, 48 kHz
Latency	Deterministic, based on user selections: 0.25 ms, 0.5 ms, 1.0 ms (default), 2.0 ms, 5.0 ms

VoIP port (DMP 128 Plus V models only)

Connector	1 RJ-45
Data rate	10/100/1000 Base-T
Signaling protocol	Session Initiation Protocol (SIP), RFC 3261 and related RFCs
Discovery protocol	LLDP-MED (optional)
Lines	Up to 8 concurrent, independent extensions
Codec support	Various ITU, including wideband
Default settings	Link speed and duplex level = autodetected IP address = 192.168.1.254 Subnet mask = 255.255.255.0 Default gateway = 0.0.0.0 DHCP = off

Control/remote

Serial host control port	1 bidirectional RS-232, 3.5 mm captive screw, 3 pole
Baud rate and protocol	38400 baud, 8 data bits, 1 stop bit, no parity
Pin configuration	1 = Tx, 2 = Rx, 3 = G
USB control port	1 front panel USB mini-B
USB standards	USB 2.0, high speed
ACP control port	(1) 3.5 mm captive screw, 4 pole, supports up to 8 panels
Pin configuration	1 = +12V, 2 = +S, 3 = -S, 4 = G
Power supply	6 Watts max
Digital I/O	(8) 3.5 mm captive screw, 4 pole
Pin configuration	1 = In, 2 = G, 3 = Out 1, 4 = Out 2
Voltage range	Input = 0V to +12V Output = 0V (low), 5V (high) Software programmable
Ethernet host port	1 RJ-45
Data rate	10/100/1000 Base-T
Protocol	ARP, ICMP, IEEE 802.1X, IP, TCP, DHCP, HTTPS, Telnet

Default settings	Link speed and duplex level = autodetected IP address = 192.168.254.254 Subnet mask = 255.255.255.0 Default gateway = 0.0.0.0 DHCP = off
Web server	Up to 200 simultaneous sessions
Program control	Extron DSP Configurator™ control/configuration program for Windows® Extron Simple Instruction Set (SIS™) Microsoft® Internet Explorer®, Telnet

General

Power supply	Internal Input: 100-240 VAC, 50-60 Hz
Power consumption and thermal dissipation	
DMP 128 Plus	
Power consumption	29.0 W
Thermal dissipation	66.4 BTU/hr
DMP 128 Plus C	
Power consumption	29.0 W
Thermal dissipation	66.4 BTU/hr
DMP 128 Plus AT	
Power consumption	32.1 W
Thermal dissipation	77.0 BTU/hr
DMP 128 Plus C V	
Power consumption	30.0 W
Thermal dissipation	69.8 BTU/hr
DMP 128 Plus C AT	
Power consumption	32.1 W
Thermal dissipation	77.0 BTU/hr
DMP 128 Plus C V AT	
Power consumption	32.4 W
Thermal dissipation	78.0 BTU/hr
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	Fan, right to left (as viewed from the front panel), variable speed, OFF when ambient temperature is less than 40 °C
Mounting	
Rack mount	Yes, with included brackets
Furniture mount	Yes, with optional under-desk mounting kit
Enclosure type	Metal
Enclosure dimensions	1.69" H x 17.40" W x 9.48" D (1U high, full rack wide) (43 mm H x 442 mm W x 241 mm D) (Depth excludes connectors)
Product weight	4.5 lbs (2.1 kg)
Regulatory compliance	CE, c-UL, UL, CE, C-Tick, FCC Class A, ICES, VCCI, RoHS, WEEE
Warranty	3 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

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

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