

## Specifications

### DMP 128 Plus

#### Audio system

Gain.....	Balanced output: 0 dB, unbalanced output: -6 dB
Frequency response .....	20 Hz to 20 kHz, $\pm 0.2$ dB
THD + Noise.....	<0.02%, 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 $\mu$ Vrms) 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, $\pm 10\%$ (inputs 1-8) can be switched on or off per input

**NOTE:** 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV  $\approx$  2 dBu; All nominal levels are at  $\pm 10\%$

#### 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.....	$\pm 0.1$ 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)

## Specification • DMP 128 Plus (Continued)

### 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

# Specification • DMP 128 Plus (Continued)

## 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, KC
Warranty .....	3 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](http://www.extron.com).

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