

## Specifications

### DMP 128 FlexPlus

#### Audio system

Gain.....	Balanced output: 0 dB, unbalanced output: -6 dB
Frequency response .....	20 Hz to 20 kHz, $\pm 0.2$ dB
THD + Noise.....	<0.01%, 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.....	4 mono (or 2 stereo), mic/line, balanced/unbalanced, 4 with phantom power
Connectors.....	(2) 3.5 mm captive screw, 6 pole, mono, balanced/unbalanced
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 1-4) 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)

## Specifications • DMP 128 FlexPlus (Continued)

### USB audio port

Connector.....	1 rear panel USB mini-B
USB standards .....	USB 2.0, high speed

### AT ports – audio transport

Transmission.....	Dante/AES-67, software selectable
Connectors.....	2 RJ-45, 2-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 FlexPlus V model 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 .....	(2) 3.5 mm captive screw, 3 pole
Pin configuration.....	1 = In, 2 = G, 3 = Out 1
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, SSH
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

# Specifications • DMP 128 FlexPlus (Continued)

## General

Power supply .....	External Input: 100-240 VAC, 50-60 Hz Output: 12 VDC, 2 A, 24 watts
Power consumption	
DMP 128 FlexPlus C AT	
Device .....	14.9 watts
Device and power supply...	17.1 watts
DMP 128 FlexPlus C V AT	
Device .....	15.6 watts
Device and power supply...	17.9 watts
Thermal dissipation	
DMP 128 FlexPlus C AT	
Device .....	40.6 BTU/hr
Device and power supply...	48.0 BTU/hr
DMP 128 FlexPlus C V AT	
Device .....	43.1 BTU/hr
Device and power supply...	50.8 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, front to back, variable speed, OFF when internal temperature is less than 45 °C
Mounting	
Rack mount.....	Yes, with optional 1U rack shelf
Furniture mount .....	Yes, with optional under-desk mounting kit
Enclosure type .....	Metal
Enclosure dimensions .....	1.7" H x 8.7" W x 9.5" D (1U high, half rack wide) (4.3 cm H x 22.1 cm W x 24.1 cm D)
Product weight .....	2.4 lbs (1.1 kg)
Regulatory compliance.....	CE, c-UL, UL, CE, C-Tick, FCC Class A, ICES, RoHS, VCCI, 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](http://www.extron.com).

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