

Specifications

DMP 64 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.....	>109 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.....	6 mono (or 3 stereo), mic/line, balanced/unbalanced, 6 with phantom power
Connectors.....	(3) 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 μ 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 1-6) 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.....	4 mono (or 2 stereo), line, balanced/unbalanced
Connectors.....	(2) 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

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

Specifications • DMP 64 Plus (Continued)

AT ports (DMP 64 Plus AT models only) — audio transport

Transmission	Dante/AES-67, software selectable
Connectors	2 RJ-45, 2-port 1 Gbps switch to Dante interface
Inputs	32 channels Rx
Outputs	16 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 64 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	(6) 3.5 mm captive screw, 6 pole (shared with audio input)
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 64 Plus (Continued)

General

Power supply	External
	Input: 100-240 VAC, 50-60 Hz
	Output: 12 VDC, 2 A, 24 watts
Power input requirements	12 VDC or Power over Ethernet Plus (PoE Plus IEEE 802.3at)
DMP 64 Plus C — power consumption	
Power supply (PS 1220)	
Device	15.0 watts
Device and power supply...	16.7 watts
DMP 64 Plus C — thermal dissipation	
Power supply (PS 1220)	
Device	38.9 BTU/Hr
Device and power supply...	44.6 BTU/Hr
DMP 64 Plus C AT — power consumption	
Power injector (PI 140)	
Device	17.6 watts
Device and power injector..	23.6 watts
PoE+ PSE	
Device	21.8 watts
Power supply (PS 1220)	
Device	18.2 watts
Device and power supply...	19.6 watts
DMP 64 Plus C AT — thermal dissipation	
Power injector (PI 140)	
Device	49.7 BTU/Hr
Device and power injector..	70.2 BTU/Hr
PoE+ PSE	
Device	57.2 BTU/Hr
Power supply (PS 1220)	
Device	48.2 BTU/Hr
Device and power supply...	52.7 BTU/Hr
DMP 64 Plus C V — power consumption	
Power supply (PS 1220)	
Device	15.6 watts
Device and power supply...	17.4 watts
DMP 64 Plus C V — thermal dissipation	
Power supply (PS 1220)	
Device	39.1 BTU/Hr
Device and power supply...	45.4 BTU/Hr
DMP 64 Plus C V AT — power consumption	
Power injector (PI 140)	
Device	18.1 watts
Device and power injector..	23.8 watts
PoE+ PSE	
Device	21.7 watts
Power supply (PS 1220)	
Device	18.6 watts
Device and power supply...	20.4 watts

Specifications • DMP 64 Plus (Continued)

DMP 64 Plus C V AT — thermal dissipation

Power injector (PI 140)

Device 51.4 BTU/Hr

Device and power injector.. 70.8 BTU/Hr

PoE+ PSE

Device 57.6 BTU/Hr

Power supply (PS 1220)

Device 47.3 BTU/Hr

Device and power supply... 53.5 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, fixed speed

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 2.35 lbs

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 $\pm 10\%$.

NOTE: Specifications are subject to change without notice

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

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