

## Specifications

### DMP 128

#### Audio system

|                          |                                                                  |
|--------------------------|------------------------------------------------------------------|
| Gain.....                | Unbalanced output: -6 dB; balanced output: 0 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.....                 | >105 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 1 dB steps)                 |

#### Audio input

|                              |                                                               |
|------------------------------|---------------------------------------------------------------|
| Number/signal type.....      | 8 mono, mic/line, balanced/unbalanced (with phantom power)    |
| Connector.....               | (8) 3.5 mm captive screw connectors, 3 pole                   |
| Number/signal type.....      | 4 mono, mic/line, balanced/unbalanced (without phantom power) |
| Connector.....               | (2) 3.5 mm captive screw connectors, 6 pole                   |
| Impedance.....               | >10k ohms unbalanced/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 $\mu$ 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    |

**NOTE:** 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV  $\approx$  2 dBu

#### Audio output

|                           |                                             |
|---------------------------|---------------------------------------------|
| Number/signal type.....   | 8 mono, (or 4 stereo) balanced/unbalanced   |
| Connectors.....           | (4) 3.5 mm captive screw connectors, 6 pole |
| Impedance.....            | 50 ohms unbalanced, 100 ohms balanced       |
| 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 sampling         |
| AEC tail length .....     | >200 msec                       |
| AEC convergence.....      | up to 60 dB/sec                 |
| Noise cancellation.....   | up to 20dB, software selectable |

#### EXP port

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

## Specifications • DMP 128 (Continued)

### Telephone ports (DMP 128 C P and DMP 128 C P AT only)

|                             |                                                                        |
|-----------------------------|------------------------------------------------------------------------|
| Frequency response .....    | 300 to 3200 Hz                                                         |
| Input gain.....             | -18 to +20 dB in 0.1 dB steps, software adjustable                     |
| Off hook loop current ..... | 10 mA (minimum)                                                        |
| Output gain.....            | -100 to 0 dB in 0.1 dB steps, software adjustable                      |
| Dynamic range.....          | >60 dB, "A" weighted                                                   |
| Country codes .....         | USA, Canada, Europe, Australia, Japan, Singapore, United Arab Emirates |

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

|                         |                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------|
| Transmission type ..... | Dante/AES-67, software selectable                                                          |
| Connectors .....        | (4) RJ-45 connectors, 4-port 1 Gbps switch to Dante Interface                              |
| Inputs .....            | 56 channels Rx                                                                             |
| Outputs .....           | 24 channels Tx                                                                             |
| Audio format .....      | 24 bit, 48 kHz sampling, uncompressed                                                      |
| Latency.....            | Deterministic, based on user selections: 0.25 ms, 0.5 ms, 1.0 ms (default), 2.0 ms, 5.0 ms |

### Control/remote

|                                        |                                                                                                                                                                                      |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Serial host control port.....          | 1 bidirectional RS-232, 3.5 mm captive screw connector, 3 pole                                                                                                                       |
| Baud rate and protocol .....           | 38400 baud, 8 data bits, 1 stop bit, no parity                                                                                                                                       |
| Serial control pin configuration ..... | 1 = Tx, 2 = Rx, 3 = GND                                                                                                                                                              |
| USB control ports .....                | 1 front panel female mini USB B                                                                                                                                                      |
| USB standards .....                    | USB 2.0, low speed                                                                                                                                                                   |
| Digital I/O .....                      | (4) 3.5 mm captive screw connectors, 6 pole<br>Each port shares a common ground<br>Input voltage range = 0V to +12V<br>Output voltage = 0V (low), 5V (high)<br>Software programmable |
| Ethernet host port.....                | 1 RJ-45 female                                                                                                                                                                       |
| Ethernet data rate .....               | 10/100Base-T, half/full duplex with autodetect                                                                                                                                       |
| Ethernet default settings .....        | Link speed and duplex level = autodetected<br>IP address = 192.168.254.254<br>Subnet mask = 255.255.0.0<br>Default gateway = 0.0.0.0<br>DHCP = off                                   |
| Web server .....                       | Up to 200 simultaneous sessions<br>6.5 MB nonvolatile user memory                                                                                                                    |
| Program control .....                  | Extron control/configuration program for Windows®<br>Extron Simple Instruction Set (SIS™)<br>Microsoft® Internet Explorer®, Telnet                                                   |

### General

|                                |                                                                                                                                            |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Power .....                    | Internal<br>Input: 100-240 VAC, 50-60 Hz                                                                                                   |
| Power input requirements ..... | 28 watts                                                                                                                                   |
| Temperature/humidity .....     | Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing<br>Operating: +32 to +122 °F (0 to +50 °C) / 10% to 90%, noncondensing |
| Cooling .....                  | DMP 128: Convection<br>All other models: Fan, right to left                                                                                |
| Mounting                       |                                                                                                                                            |
| Rack mount.....                | Yes, with included brackets                                                                                                                |
| Furniture mount .....          | Yes, with optional under-desk mounting kit                                                                                                 |
| Enclosure type .....           | Metal                                                                                                                                      |
| Enclosure dimensions .....     | 1.7" H x 17.4" W x 9.5" D (1U high, full rack wide)<br>(4.3 cm H x 44.2 cm W x 24.1 cm D)<br>(Depth excludes connectors.)                  |

Specifications • DMP 128 (Continued)

|                       |                                                            |
|-----------------------|------------------------------------------------------------|
| Product weight .....  | 2.8 lbs (1.3 kg)                                           |
| Vibration .....       | ISTA 1A in carton (International Safe Transit Association) |
| Regulatory compliance |                                                            |
| Safety .....          | CE, c-UL, UL                                               |
| EMI/EMC .....         | CE, C-tick, FCC Class A, ICES, VCCI                        |
| Environmental .....   | Complies with the appropriate requirements of 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](http://www.extron.com).

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