

**16 In 16 out DSP audio processor with Dante DSP-1616ND**
**Description:**

The DSP-1616ND audio processor combines Auto Mixer, Matrix Mixer, Feedback suppressor and Dante audio networking in one purpose-built DSP processor. The DSP-1616ND includes 16 mic/line analog inputs, 16 analog outputs to meet the needs of a wide range of audio processing applications such as boardroom, medium/large conference rooms, courtrooms, auditoriums and multi-purpose halls.

**Features:**

- ▶ 16-channel analog input and 16-channel analog output, Microphone or Line in switch
- ▶ +48V switch per input channel
- ▶ AFC in each input
- ▶ AUTO-MIX and MATRIC-MIX
- ▶ 31 PEQS per input and 10 PEQS per output
- ▶ USB free driver connect, RS232/485 connector for center control



SPECIFICATIONS	DSP-1616ND
Input Channels	16 balanced, Mic/line level
Connectors	3.81 mm Phoenix Contact, 12-pin
Input Impedance	11.5K $\Omega$
Maximum Input Level	14dBu/Line, -7dBu/Mic
Phantom Power	+48VDC, 10mA, selectable per input
Output Channels	16 balanced, line level
Output Impedance	150 $\Omega$
Frequency Response	20Hz-20kHz(+/-0.5dB)/Line 20Hz-20kHz(+/-1.5dB)/Mic
THD+N	-90dB(@12dBu,1kHz,A-wt)/Line -86dB(@-7dBu,1kHz,A-wt)/Mic
SNR	105dB(@12dBu,1kHz,A-wt)/Line 95dB(@-7dBu,1kHz,A-wt)/Mic
USB	Micro-B type, free driver
RS232	Serial port communication
TCPIP	RJ-45, Optional
LED Status Indicators	Power, Link, +48V, Input and Output Audio signal
Mains Voltage	AC100V-240V 50/60 Hz
Dimensions	44mmx483mmx210mm
Net Weight	2.8kg
Operating Temperature	-20°C-80°C
Cooling System	Active, Fan inside
Integrated DSP	
Signal Processor	Signal Processor32-bit fixed/floating-point DSP 300MHz
Audio Latency	Audio Latency< 1ms
A/D and D/A Converters	A/D and D/A Converters24-bit
Sample Rate	48KHz

**16 In 16 out DSP audio processor**
**DSP-1616N**
**Description:**

The DSP-1616N audio processor combines Auto Mixer, Matrix Mixer, and Feedback suppressor in one purpose-built DSP processor. The DSP-1616N includes 16 mic/line analog inputs, 16 analog outputs to meet the needs of a wide range of audio processing applications such as boardroom, medium/large conference rooms, courtrooms, auditoriums and multi-purpose halls.

**Features:**

- ▶ 16-channel analog input and 16-channel analog output, Microphone or Line in switch
- ▶ +48V switch per input channel
- ▶ AFC in each input
- ▶ AUTO-MIX and MATRIC-MIX
- ▶ 31 PEQS per input and 10 PEQS per output
- ▶ USB free driver connect, RS232/485 connector for center control



SPECIFICATIONS	DSP-1616N
Input Channels	16 balanced, Mic/line level
Connectors	3.81 mm Phoenix Contact, 12-pin
Input Impedance	11.5K $\Omega$
Maximum Input Level	14dBu/Line, -7dBu/Mic
Phantom Power	+48VDC, 10mA, selectable per input
Output Channels	16 balanced, line level
Output Impedance	150 $\Omega$
Frequency Response	20Hz-20kHz(+/-0.5dB)/Line 20Hz-20kHz(+/-1.5dB)/Mic
THD+N	-90dB(@12dBu,1kHz,A-wt)/Line -86dB(@-7dBu,1kHz,A-wt)/Mic
SNR	105dB(@12dBu,1kHz,A-wt)/Line 95dB(@-7dBu,1kHz,A-wt)/Mic
USB	Micro-B type, free driver
RS232	Serial port communication
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