

DSP1616 DSP1616N



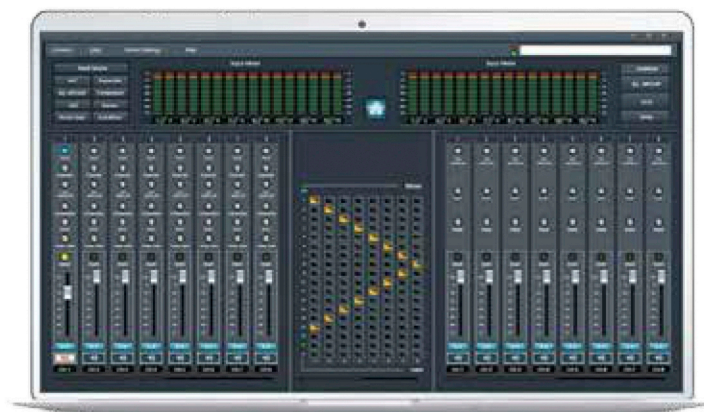
DSP1616



DSP1616N

FEATURE:

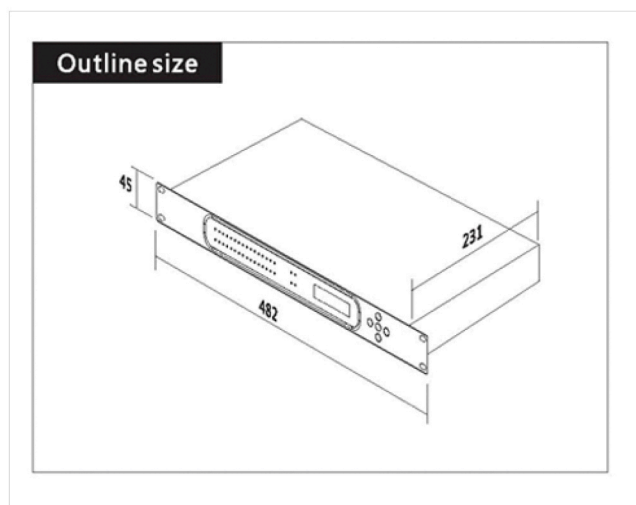
- High-speed processing DSP Chip, the new generation of AFC algorithm to eliminate the feedback faster and make system more stable 96KHZ sampling frequency, 64-bit DSP processor, 24-bit A / D and D / A conversion .
- 16-channel Phantom Power Microphone/circuit input, 16- channel circuit Output;
- 8- channel External control input and 8- channel Logic output.
- Microphone Preamplifier, Compressor, Auto Gain Control, Ducker, Auto Mixer, Matrix Mixer, AEC, Crossover, Equalize PEQ, Limiter and Delay. Provide a complete set of Audio Process solution.
- Connect with GUI interface directly through Ethernet, Easy and efficient to set.
- Power off automatically save function.
- RS232 interface connect to 3rd party communication.
- Extensive GPIO Capabilities.
- Option to configure with Dante Modules.



As per our company policy one of the constant Product improvement the right is there for reserved to modify product specifications without prior notice

Digital Matrix Processor

DIMENSION:



SPECIFICATION:

Model	DSP1616 / DSP1616N
Input Impedance impedance	20k Ω (bal) , 10k Ω (unbal)
Output Impedance	300k Ω (bal) , 150 Ω (unbal)
Maximum Input level	20dBu@ 1kHz, THD+N $\leq$ 1%, 22kHz BW
Maximum Output level	20dBu@ 1kHz, THD+N $\leq$ 1%, 22kHz BW
SNR	95DB@re+4dBu,22kHz BW ,A-weighted,0DB MIC Gain
	92DB@re+4dBu,22kHz BW ,A-weighted,36DB MIC Gain
Dynamic Range	109, A-Weighted
THD+Noise	0.002%@re+4dBu,22kHz BW,1kH,Unit Gain
Channel Separation	91dB@20Hz-20kHz,re+4dBu
CMRR	$\geq$ 85dB@1kHz, re+4dBu
Phantom Power	48V, 10mA,Ripple $\leq$ 100mV
External Input Control	8 Channel, 0-3.3V DC Analog input and logic level input each channel,could be connected with logic trigger or potentiometer
Logic Output	8 Channel, 5V DC Logic Level each channel,10mA
Frequency Response	$\pm$ 0.03dB 20Hz-20kHz
MIC Gain(DB)	0\12\24\3648 db
ETHERNET	100M communication speed,standard cable, distance $\geq$ 100M
RS485	RX\TX\GND, communication distance $\geq$ 100M,A variety of optional baud rate
RS232	Standard 232 level interface, a variety of optional baud rate
Dante Network	2X2,4X4 Channel Dante Module matching
Power	AC 90~260V, 50-60Hz 50-60W
Size	482x231x45mm (WxDxH)
Weight	> 2.8kg

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