

# AM-1616

Audio Processor



# AM-1616

## Technical Specification

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DSP Processing	Ti 456MHz FLOPS DSP
Number of analog channels	16 Input +16Output
Core Algorithm	Automatic mixing, feedback elimination, echo elimination, noise elimination
GPIO	8 ( Including input and output)
RS232/RS485	1
RJ45 control interface	1
USB Port	1
RJ11 phone interface	0
DANTE network interface	0
Simulated maximum gain	51dB
Digitalizing bit	24bit
Sampling Rate	48k
Frequency Response (20~20KHz)	$\pm 0.2\text{dB}$
Analog-to-digital dynamic range (A-weighted)	120dB
Digital-to-analog dynamic range (A-weighted)	120dB
Input to output dynamic range	108dB
Total harmonic distortion + noise	$<0.002\%$ @1KHz ,4dBu



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Noise floor (A- weighted)	-90dBu
Delay storage	2s
Analog input to output system delay	3ms
Input impedance (balance -type)	20K $\Omega$
Output impedance (balance -type)	100 $\Omega$
Maximum Input Level	+18dBu,balance
Maximum Output Level	+18dBu,balance
EIN (20-20kHz, A-weighted)	$\leq$ -131dBU
Phantom power (per input)	48V
Input common mode rejection,60Hz	80dB
Channel Isolation,1kHz	100dB
Dimensions (W*D*H)	482*258*45(mm)
Weight	3Kg
Power Consumption	<40W
Operating Temperature	0-40 $^{\circ}$ C
Working Power Supply	AC110V-220V,50Hz/60Hz