

Signal Processor

Stoltzen Cyclone 1004 Mini DSP



Product number: CYC-DSP1004

Product Description

The Cyclone 1004 is a professional audio processor that is specifically designed for interactive education and remote conferencing. It features 10 input and 4 output channels, built-in echo cancellation (AEC), feedback suppression (AFC) and noise cancellation (ANC) algorithms, and support for both MIC and Line channels. It can be controlled and configured with PC software, making it easy to set up and customize to your needs.

Main Specifications

Brand	Stoltzen
Input Port - Analog Audio	8x Mic In (med 48V Phantom) 2x Line In (Balanced)
Output Port - Analog Audio	4x Line Out (Balanced)
Ethernet Port (RJ-45)	1x For configuration and controlling
USB Port (Type-A)	1x (No audio)

Extended Specifications

Frequency Response	20 - 20K Hz, ± 0.5 dB
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THD+N	MIC channel: 0.005%@4dBu LINE channel: 0.01%@4dBu
Channel Isolation	90dB
Analog Input Level	MIC channel: 0dBu LINE channel: 18dBu
Input Impedance	20K Ω
Phantom Power	+48 VDC
Analog Output Level	MIC channel: 18dBu LINE channel: 18dBu
Output Impedance	100 Ω
Acoustic Echo Cancellation (AEC)	Ja
Adaptive Feedback Control (AFC)	✓
Ambient Noise Compensation (ANC)	✓
AutoMix (AM)	✓
Operating Temperature	0-45°C
EAN	7072262009810
Humidity	80% no condensation
Certifications	CE, RoHS

