

## 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

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

## Extended Specifications

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

