



# Audio Digital Signal Processor

Globus introduces latest range of eco-friendly ADSP

MODEL: Impact-ADSP-10

# Impact- ADSP-10

# Application Areas



Schools - Colleges - Universities

Corporate Offices - Meeting Rooms - Training Rooms

Huddle Rooms - Conference Rooms

Audio Digital Signal Processor	
Digital-Analog Conversion	24-bit
Sampling Rate	48KHz
Input Channel	16-channel balanced inputs, Mic/line level
Audio Interface	3.81 mm Phoenix plug, 12-pin
Signal Processing	32-bit fixed/floating-point DSP 300MHz
Audio System Delay	< 1ms
Output Channel	16-channel balanced outputs, line level
Output Impedance	150Ω
Frequency Response	20Hz-20kHz(+0.5dB)/Line, 20Hz-20kHz(+/-1.5dB)/Mic, 20dB Gain
Total harmonic distortion (THD+N)	-90dB (@12dBu,1kHz, A-wt.)/Line, -86dB (@-7dBu,1kHz, A-wt.)/Mic, 20dB Gain
Signal to Noise Ratio	105dB (@12dBu,1kHz, A-wt.)/Line, 95dB (@-7dBu,1kHz, A-wt.)/Mic, 20dB Gain
USB Port	Micro-B type, drive-free
Serial port communication	1x RS232 Port, 1x RS485
GPIO Port	10 pin GPIO port
TCP/IP Network Port	1x RJ-45 Port
Indicator Light	Power, Link, +48V, input and output audio signal
Power Supply	AC100V-240V 50/60 Hz
Input Impedance	11.5KΩ
Maximum Input Level	12dBu/Line, -7dBu/Mic
PEQ Adjustment	16 bands PEQ adjustment for input signal and 10 bands PEQ adjustment for output Signals
PTZ camera control	PTZ camera Control to functionate voice tracking functionality
Phantom Power	+48VDC, 6.5mA, configured in each channel
Input/output	16 channels audio input & 16 channels audio output support mic input & line input with switching function
Eco cancellation Mode	AEC echo cancellation and ANC noise cancellation function for Video conferencing requirement
Level Sensitivity Adjustment	Each microphone input have 9 levels of sensitivity adjustment
Phantom Power switching	Each input have 48V phantom power switch
Inbuilt Feedback suspensor	Inbuilt feedback suppressor with two levels adjustment with Each audio input
Audio mixing	Automatic mixing and matrix mixing functions for Audio Signals
Certifications	CE, RoHS, FCC

\*Due to continuous product development, the specifications may change without prior notice.

\*\*Product image(s) are for illustrative purposes only and may differ from the actual product.



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