

## **INTELLITECH DSP 1022**



### **Key Features:**

- High-performance floating-point DSP processing chip.
- All the input channels are with Gain Control, Noise Gate, Automatic Feedback Suppressor, High and Low Pass Filter, Parameter Equalizer (16 segments), Compressor, Delay Timer and Input Marshalling Controller.
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- The front panel carries with input and output volume display lights, error warning light.
- Built-in signal generator: sine wave signal, pink noise, white noise.
- The panel carries with LCD display monitor, helps display the system status directly.
- Can take control through Ethernet, the operation interface is visualized and the setting is easy and efficient.

## Technical Specifications

Model	ICS-DSP-1022	
DSP Frequencies, capacity	400Mhz,400MIPS,2200 MFLOP	
Core algorithm	matrix mixer and automation; optional:echo cancellation	
Maximum No. Of channel	1	
Inputs/ Outputs	Mic/ Line	
Frequency response	20 Hz~20KHz, +/-0.2dB	
Dynamic range	ADC:114dB ; DAC:114dB	
THD	<0.002%:1kHz@+4dBu;<0.005%:20Hz~20KHz@+4dBu	
	Balance	Balanced microphone/ line-levels
MIC input / Line input	×	2/20
Phantom power	×	+12VDC, soft switching
Microphone preamplifier gain	×	0-40dB stimulative gain, 12dBdigital gain
Maximum input level	+18dBu	
Input impedance	Balance: >5 K $\Omega$ , Unbalance: >3K $\Omega$	
Output impedance	30 $\Omega$	
CMRR	>70dB@1KHz	
EIN	<-125dBu, 22Hz~22KHz	
Background noise	-92dBu	
Output impedance	600 $\Omega$ balance	
Signal crosstalk	>-80dB@1KHz (typical)	
Preset scene	32 sets scenes, can be adjusted by TCP/IP	
Function module	Gain Control, Noise Gate, Automatic Feedback Suppressor, High and Low Pass Filter, Parameter Equalizer (16 segments), Compressor, Delay Timer and Input Marshalling Controller	
Signal generator	sine wave signal, pink noise, white noise.	
AEC	×	optional
Operating mode	TCP/IP,RS-232	
Operational software	WINDOWS	
Touch screen on the wall	×	Up to 16

Dimension (W*D*H)	1U,483x206x48mm
Power supply	AC100~240V,50/60Hz
Watts	75W
Working condition	0~40°C

*Note -Specifications are subject to change without Prior Notice.*