

VOCORD A2 USB

2-Channel External USB Device for Analog Audio Data Recording



Applications

- In-line audio recording;
- Personal audio recording;
- Small offices and visiting meetings.

Description

VOCORD A2 USB is a low-cost external adaptor with USB connection. It is designed for digitizing, computer input and processing analog signals from 2 sources. Signal may belong to the following sources: analog phone lines, microphones (including those with phantom power), analog play/line out jacks of different devices - radio stations, tape recorders etc.

Main Advantages of VOCORD A2 USB

- Complete functionality of VOCORD Audio system software;
- Portable size;
- High mobility;
- USB port power supply.

Technical Specifications

Parameter	Value
Number of channels	2
Preset operation mode for each channel	Phone line, VOX, special alarm system
PC interface	
USB version	2.0 (full speed)
Telephone interface	
Interface type	Two-wire
Input resistance	2 MOhm
Frequency range	300 - 3500 Hz at 8 kHz; 300 - 7000 at 16 kHz
Connector	RJ 45
Analog interface	
Input range (variable component)	Up to $\pm 3V$ (amplitude)
Input signal constant component	Up to $\pm 200 V$
Bit capacity of analog-to-digital converter	16 bit
Sampling rate	8 kHz; 16 kHz
Frequency response nonlinearity	max $\pm 1dB$
Harmonic factor	max 0.05%
Input signal preamplifier (separate for each channel)	[0: 12] dB (increase interval is 1.5 dB)

Signal/noise ratio (amplifying 0 dB)	80 dB at 8 kHz, 74 dB at 16 kHz
In-phase rejection in the range of [0 - 150] Hz	74 dB
Sound processing	
AGC range	Up to 18 dB (program-preset)
Program-preset audio compression algorithm	PCM16 without compression, A-law G.711 compression 2:1, μ -law G.711 compression 2:1, GSMb.10 compression 10:1
Additional functions	
Remote user number identification	CALLER ID
Detection of calling signal	DTMF and pulse dialing
Voice activity detection	VOX mode (program-preset)
Electret microphone support	Phantom power 8 V, 1 kOhm, balanced input
Power	
USB port power	< 100 mA
Operation temperature	from 0°C to +50°C
Storage temperature	from -20°C to +70°C
Humidity	from 8% to 80%
System requirements	
Operating system	Windows 2000/XP/2003
RAM	128 Mb