



## USB-2020

### USB Audio Device

The USB-2020 is a USB interface audio device, supports 32, 44.1 and 48 kHz, 8 or 16 bits stereo audio output, and 8, 10.025, 16, 22.05, 32, 44.1, and 48 kHz, 8 or 16 bits stereo microphone input. The USB -2020 supports Plug-and Play in Windows 2000, XP, Vista, and Linux OS. XPAC-8000 already built-in USB-2020 driver.

## Specifications

<b>Audio Output</b>	
Output Channels	Mono, Stereo(L + R)
Resolution	8 bits, 16 bits
Sampling Frequency	32, 44.1, 48 kHz
THD+N	< 0.02% (0 dB), < 3% (-60dB)
Dynamic Range	> 85 dB
SNR(Signal to noise ratio)	> 87 dB
Channel Separation	> 85 dB
Output Voltage	3 Vrms
Output Current (max)	30 mA
<b>Audio Input</b>	
Input Channels	Mono, Stereo(L + R)
Resolution	8 bits, 16 bits
Sampling Frequency	8, 11.025, 16, 22.05, 32, 44.1, 48 kHz
THD+N	<0.1% (0 dB)
Dynamic Range	> 80 dB
SNR(Signal to noise ratio)	> 80 dB
Channel Separation	> 78 dB
Input Voltage (max)	1.4 Vrms
Input Impedance	10k Ohm
Condenser Microphone Bias	Yes
<b>Interface</b>	
USB 1.1, 12MHz full-speed, fully compliant with USB 2.0 specification	
HID volume up, volume down and Mute buttons	
3.5mm stereo jack line-out and 3.5mm stereo jack mic-in	
External power terminal block	
<b>LED Display</b>	
1 LED as Power indicator	
<b>Power</b>	
External Power Input Voltage	+10 ~ +30 VDC
Power Consumption	1 W(standby)/1.8 W(max.)
Auto Switching USB/External Power	

<b>Dimensions</b>	
Case	Plastic
Flammability	UL 94V-0 materials
Dimensions (W x H x D)	33 mm x 107 mm x 78 mm
Installation	DIN-Rail
<b>Environment</b>	
Operating Temperature	-25 °C ~ +75°C
Storage Temperature	-40 °C ~ +85°C
Humidity	10 ~ 90% RH, non-condensing