AUDIOBOX USB

http://www.presonus.com/products/Detail.aspx?ProductId=53

- 24-bit / 44.1, 48k USB audio recording interface
- 2 class A XMAX microphone / instrument preamplifiers
- 48V phantom power
- 2 balanced TRS outputs
- MIDI input/output
- Powered via USB

Microphone Preamp

Type	XLR Female Balanced
Frequency Response (±3.0 dB)	14 Hz to 70 kHz
Input Impedance (Balanced)	1200 Ω
THD+N (unwtd, 1 kHz @ +4 dBu Output, Unity Gain)	< 0.008%
EIN (A-weighted, 55dB Gain, 150 Ω Input, 20Hz to 22 kHz)	-115 dBu
S/N Ratio (Unity Gain, Ref. = +4 dBu, 20Hz to 22 kHz)	> 95 dB
Common Mode Rejection Ratio (1 kHz, 55 dB Gain)	> 45 dB
Gain Control Range (± 1dB)	0 dB to 35 dB
Max Input Level (Unity Gain, 1 kHz @ 0.5% THD+N)	-3 dBu
Phantom Power (±2 VDC)	+48 VDC

Instrument Input

Type	¼”
TRS Female Unbalanced Input Impedance	0.5 M Ω

Line Outputs

Type	¼” TRS
Balanced Output Impedance	51 Ω

Headphone Output

Type	¼” TRS Active Stereo
Maximum Output	60 mW/Ch @ 60 Ω Load
Frequency Response (±1.0 dB)	20 Hz – 30 kHz

MIDI I/O

Type	Dual 5-pin Female DIN

Digital Audio

ADC Dynamic Range (Awtd, 48 kHz Sample Rate)	102 dB
DAC Dynamic Range (Awtd, 48 kHz Sample Rate)	110 dB
Bit Depth	24
Reference Level for 0dBFS	+4 dBu
Internal Sample Frequency Selections (kHz)	44.1, 48

Power	USB Bus-powered

EDIROL UA-4FX USB Audio/MIDI Interface

http://www.edirol.net/products/en/UA-4FX/specs.html

Number of Audio Record/Playback Channels	Record:1 pair of stereo Playback:1 pair of stereo Full duplex (Except 96 kHz)
Signal Processing	PC Interface 24 bits AD/DA Conversion24 bits (linear) Internal Processing32 bits (Effect processing)
Sampling Frequency	Digital Output 44.1/48/96 kHz Digital Input 44.1/48/96 kHz AD/DA Conversion 44.1/48/96 kHz * ADVANCE SWITCH = OFF: 44.1 kHz only
Frequency Response	96.0 kHz20 Hz to 40 kHz (+1 dB/-2 dB) 48.0 kHz20 Hz to 22 kHz (+1 dB/-1 dB) 44.1 kHz20 Hz to 20 kHz (+1 dB/-1 dB)
Nominal Input Level	Line Input Jacks-10 dBu MIC Input Jack (XLR)-45 to -12 dBu MIC Input Jack (except XLR)-45 dBu GUITAR Input Jack-30 dBu
Nominal Output Level	Line Output Jacks-10 dBu Residual Noise Level (input terminated with 1 k ohms, MAIN VOLUME: 0 dB, Monitor: OFF, IHF-A typ.) -105 dBu or less (SN ratio: 108 dB, typ.)
Interface	USB ; Digital Input/Output; Optical type conforms to IEC60958 consumer format: PCM/AC3
Effects	1. Mastering Noise Suppressor/Enhancer/Multi-band Compressor-Limiter 2. Listening Center Cancel/High Boost/Low Boost/Reverb 3. Performance Voice-change/Amp-Simulator and Distortion/Chorus/Delay 4. Tube-amp simulator Tube-Amp-Simulator/Multi-band Compressor-Limiter
Connectors	Line Input Jacks (L, R) (RCA phono type) MIC Input Jack (XLR type, balanced, phantom power +48 V) MIC Input Jack (Miniature phone type, plug-in powered) GUITAR/MIC Input Jack (1/4 inch phone type) Line Output Jacks (L, R) (RCA phono type) Headphones Jack (Stereo 1/4 inch phone type) Digital Input Connector (Optical type) Digital Output Connector (Optical type) MIDI Connectors (IN/OUT) USB Connector (USB Type B)
Power Supply	Supplied from the computer
Current Draw	360 mA

Link.USB TAPCO

http://www.tapcoworld.com/products/linkusb/specs.html

Frequency Response	
Any Input to Monitor Output:	+0, -0.5 dB, 22 Hz to 22 kHz @ 48 kHz SR
Any Input to Phones Output:	+0, -3 dB, 30 Hz to 22 kHz @ 48 kHz SR (600Ω load)
Distortion	
THD + Noise (1 kHz, -1 dBFS @ 48 kHz SR)	
Mic Input to Monitor Output:	< 0.005%
Dynamic Range	
Mic Input to Monitor Output (48 kHz SR, A-weighted):	100 dB
Input Impedance	
Mic Input:	3 kΩ
Line Input:	20 kΩ balanced, 20 kΩ unbalanced
Instr Input:	1 MΩ
Output Impedance	
Monitor Output:	200Ω
Headphone Output:	< 1Ω
Crosstalk	
Monitor Output (1 kHz, Left to Right)	-70 dB
Headphone Output (1 kHz, Left to Right)	-80 dB
Maximum Input Level	
Mic In (XLR):	-2.2 dBu
Line In:	+4.5 dBu
Instr In:	+5.4 dBu
Maximum Output Level	
Monitor Output:	+4.2 dBu
Heaphone Output:	18 mW into 600Ω
A/D and D/A Conversion	
	24 bit, 44.1/48/88.2/96 kHz

E-MU's Tracker Pre USB 2.0

http://www.emu.com/products/product.asp?product=17511&nav=technicalSpecifications

Technical Specifications

General

- Sample Rates: 44.1, 48, 88.2, 96, 176.4, 192kHz from internal crystal (no sample rate conversion)*
- Bit Depth: 24-bit I/O, 32-bit processing
- USB 2.0 Hi-Speed
  - Full 24-bit resolution at all sample rates
  - Stereo in, stereo out at all sample rates
- Zero-latency direct hardware monitoring (disabled at 176.4-192kHz)
- Windows drivers: ASIO2 and WDM
- Macintosh driver: Apple CoreAudio
- Anti-Pop speaker protection minimizes noise during power on/off
- Ultra-low jitter clock subsystem: < 100ps RMS
- USB Bus or AC powered via optional Universal Power Supply

Combo Preamplifiers (2)

- Type: E-MU® CurrentMorph™ combo mic preamp and Hi-Z/line input
- A/D converter: AK5385
- Max Level: +6.4dBV bal/unbal (+6.9 dBu)
  - Hi-Z/line balanced input: +6.9dBV bal/unbal (+9.1dBu)
  - Microphone Preamplifier: +6.4dBV bal/unbal (+8.6dBu)
- Frequency Response (min gain, 20Hz-20kHz): +0.0/-0.03dB
- Dynamic Range (A-weighted, 1kHz, min gain): 112dB
- Signal-to-Noise Ratio (A-weighted, min gain): 112dB
- THD+N (1kHz at - 1dBFS, min gain): -102dB (.0007%)
- EIN (20Hz-20kHz, 150ohm, unweighted): -127dBu
- Input Impedance
  - Hi-Z/line balanced input: 1Mohm
  - Microphone Preamplifi er: 1.5Kohms

Analog Line Outputs (2)

- Type: balanced, AC-coupled, 2-pole low-pass differential filter
- D/A converter: CS4392
- Max Level: 6.6 dBV (unbalanced)
- Frequency Response (20Hz - 20kHz): 0.00/-0.08dB
- Dynamic Range (1kHz, A-weighted): 112dB
- Signal-to-Noise Ratio (A-weighted): 112dB
- THD+N (1kHz at -1dBFS): -99dB (.0011%)
- Stereo Crosstalk (1kHz at -1dBFS): <-111dB

Headphone Amplifier

- Type: Class-A power amplifier
- D/A converter: CS4392 (shared with Line Out)
- Gain Range: 60dB
- Maximum Output Power: 22mW
- Output Impedance: 22ohms
- Frequency Response (20Hz-20kHz): +0.02/-0.07dB
- Dynamic Range (A-weighted): 112dB
- Signal-to-Noise Ratio (A-weighted): 112dB
- THD+N (1kHz, max gain): 300ohm load: -99dB (.0011%)
- Stereo Crosstalk (1kHz at -1dBFS, 300 ohm load): <-90dB

Synchronization

- Internal crystal sync at 44.1, 48, 88.2, 96, 176.4, 192kHz*