

PCI Digital Audio Systems

E-MU's Digital Audio Systems deliver everything you need to produce audio on a PC with professional results – premium converters, hardware-accelerated effects and mixing, comprehensive sync options and seamless compatibility with your favorite PC audio/sequencer software. E-MU Systems has teamed up with the Creative Advanced Technology Center, a world leader in ASIC and algorithm development for PC audio, to develop the new line of Creative Professional hardware interfaces that stand toe-to-toe with the most advanced and expensive audio systems in the world. Whether you are recording full-blown productions or running virtual instruments on a dedicated computer, E-MU's Digital Audio Systems deliver everything needed to create professional-quality music on your PC at a price that will change your expectations of desktop recording forever.

- Features mastering-grade 24-bit, 192kHz converters – the same A/D converters used in Digidesign's flagship ProTools® HD 192 I/O Interface*
- E-DSP 32-bit Multi-effects Processor offers you over 25 hardware-accelerated effects (over 600 presets) with no CPU overhead – plug-in architecture allows you to add new effects as needed
- E-MU Power FX™ hardware-accelerated VST effects let you use the E-DSP Multi-effects Processor as a plug-in within your VST applications and allow you to automate and save all effects parameter settings
- 32 channels of zero latency hardware mixing/monitoring with super-flexible virtual patchbay – no external mixer needed
- Compatibility with most popular audio/sequencer applications with ultra-low latency WDM, DirectSound® and ASIO™ 2.0 Drivers
- Powerful software studio package included

* M Series only



I/O Configuration:

- Two TFPro™ Mic/Line/Hi-Z preamps (w/48V phantom power)
- Six 1/4" Balanced Inputs
- Eight 1/4" Balanced Outputs
- Turntable Input (w/ground lug and hardware RIAA preamp)
- 24-bit/192kHz ADAT In/Out (switchable to S/PDIF)
- 24-bit/96kHz coaxial S/PDIF In/Out (switchable to AES/EBU)
- 24-bit/96kHz optical S/PDIF Out (switchable to AES/EBU)
- Two sets of MIDI In/Out
- Four stereo 1/8" Speaker Outputs (configurable from stereo to 7.1)
- Stereo Headphone Output
- FireWire® Interface

Sync Configuration:

- Word Clock In/Out
- SMPTE In/Out
- MTC Out

Software Package includes: Steinberg VST 5.1, Steinberg Wavelab Lite 2.5, SFX Machine LT, Minnetonka diskWelder BRONZE

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I/O Configuration:

- Two 1/4" Balanced Inputs
- Two 1/4" Balanced Outputs
- 24-bit/192kHz ADAT In/Out (switchable to S/PDIF)
- 24-bit/96kHz S/PDIF In/Out (switchable to AES/EBU)
- MIDI In/Out
- FireWire® Interface

Software Package includes: Steinberg Cubasis 4.0, Steinberg Wavelab Lite 2.5, SFX Machine LT, Minnetonka diskWelder BRONZE trial (5 trial burns)

I/O Configuration:

- Two 1/4" Unbalanced Inputs
- Two 1/4" Unbalanced Outputs
- 24-bit/96kHz S/PDIF optical In/Out (switchable to AES/EBU)
- 24-bit/96kHz S/PDIF coaxial In/Out (switchable to AES/EBU)
- MIDI In/Out

Software Package includes: Steinberg Cubasis 4.0, Steinberg Wavelab Lite 2.5, SFX Machine LT, Minnetonka diskWelder BRONZE trial (5 trial burns)



Total Analog and Digital Connectivity

AudioDock M

Front

Two premium TFPro™ Mic Preamps with Neutrik® Connectors, 48V Phantom Power and 40dB of Input Gain control



MIDI, Sample Rate and Sync Source Indicators

MIDI In/Out 1 Optical S/PDIF Output Stereo Headphone Output

Back

Six balanced 1/4" Analog Inputs (24-bit/192kHz)



Stereo Turntable Input with RIAA Preamp and Ground

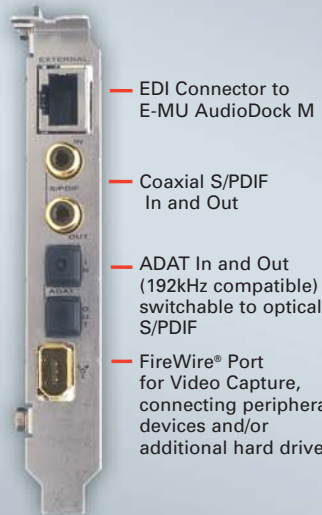
4 Stereo 1/8" Speaker Outputs (configurable from stereo to 7.1)

EDI Connector to E-MU 1010 PCI Card (no external power required)

Eight balanced 1/4" Analog Outputs (24-bit/192kHz)

MIDI In/Out 2

E-MU 1010 PCI Card



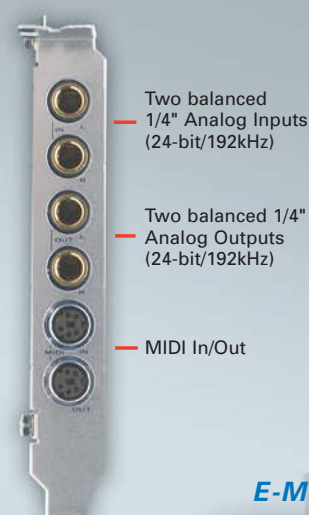
- EDI Connector to E-MU AudioDock M
- Coaxial S/PDIF In and Out
- ADAT In and Out (192kHz compatible) - switchable to optical S/PDIF
- FireWire® Port for Video Capture, connecting peripheral devices and/or additional hard drives

Sync Daughter Card



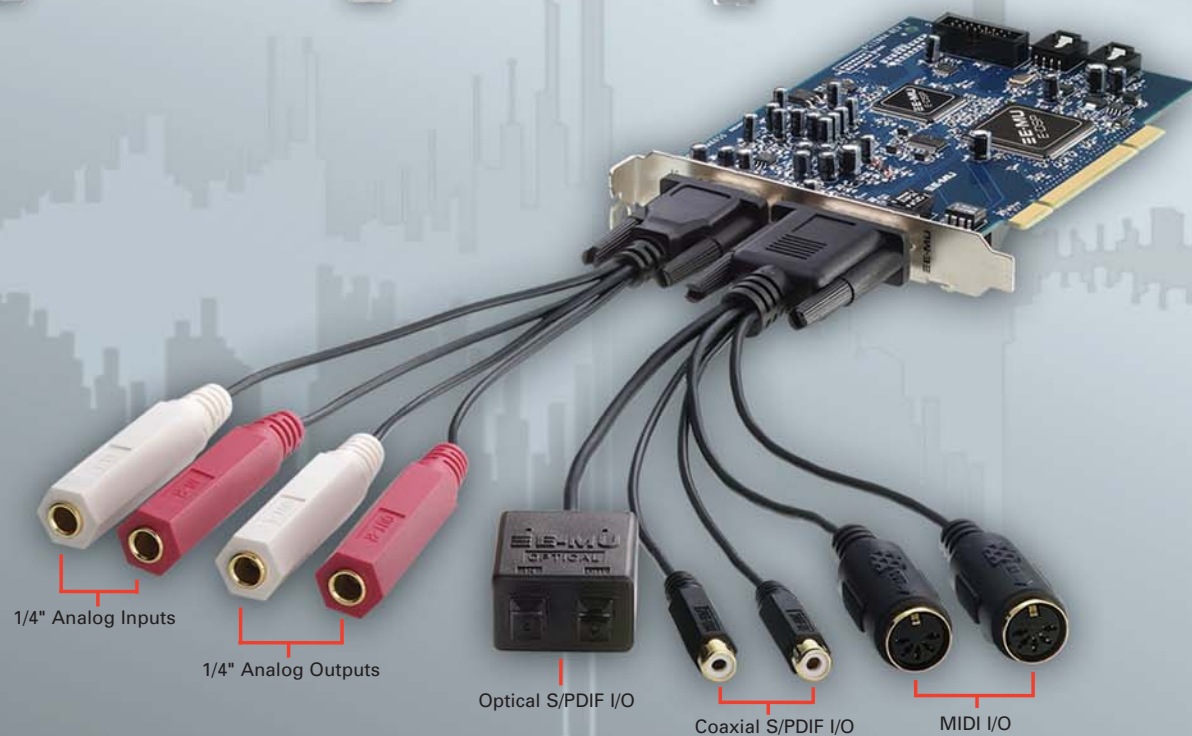
- Word Clock Sync In and Out
- SMPTE Sync In and Out
- MTC Out

E-MU 0202 I/O Daughter Card



- Two balanced 1/4" Analog Inputs (24-bit/192kHz)
- Two balanced 1/4" Analog Outputs (24-bit/192kHz)
- MIDI In/Out

E-MU 0404 PCI Card



1/4" Analog Inputs

1/4" Analog Outputs

Optical S/PDIF I/O

Coaxial S/PDIF I/O

MIDI I/O

Integrated Hardware-accelerated Effects, Mixing and Monitoring

E-MU PatchMix DSP

Toolbar

Quick access to your most-used functions (e.g. Show/Hide, Session and effects management, etc.)

Viewer Window (3 Modes)

- Effects Editor lets you view all effects parameters for quick editing
- Input/Output Patchbays give you an instant overview of your I/O configurations at a glance

Effects Presets (over 600)

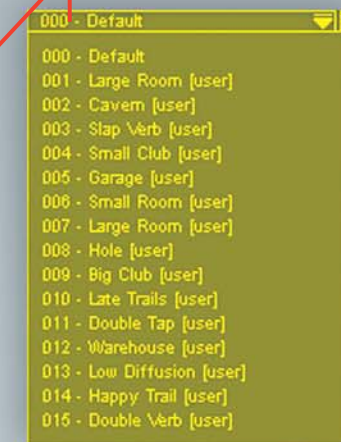
Lets you effortlessly drag-and-drop effects onto Patchstrip Inserts and Aux/Main Busses, as well as create and organize new effects presets and configurations - you can even chain multiple effects plug-ins and save them together to create specialized effects (e.g. vocal channel, guitar recording channel)

Audio Source

A Patchstrip can be fed by any external analog or digital input, as well as internal host sources from your audio application via ASIO™ or DirectSound®

Insert Chain

The Insert Chain allows you to easily route a channel of audio to any effects plug-in, physical output, or virtual output (ASIO) in any order (i.e. monitor your recording with effects but record dry). You can also send and return audio to/from your outboard gear like a traditional insert



Main & Auxiliary Busses

Offer you the same flexibility as the Insert Chain above to route your Aux Busses and Main Bus to effects plug-ins, physical outputs and virtual outputs (ASIO)

Sync

Choose from Internal Clock, External ADAT, or External S/PDIF sync to synchronize your entire digital studio

Aux Sends

The two Aux Sends let you patch your audio to Busses for effects processing or submixing before hitting your audio recorder (perfect for headphone cuemixes)



E-MU Power FX Hardware-accelerated VST Effects

Use over 600 hardware-accelerated E-DSP effects as VST plug-ins in Steinberg's Cubase™ and other VST hosting applications with no load on the CPU. These E-MU Power FX presets are identical to the presets found in the PatchMix DSP Effects Palette (including all user presets), and work like any other VST plug-in. All parameters for the selected effect can be viewed and edited in the Effects Window, and users can automate and save all parameter settings within the VST environment.

