MOTU 828 MK3 Hybrid Firewire & USB Audio Interface - Feature Summary

- **Hybrid FireWire/USB2 connectivity** — connect to your computer via either plug-and-play FireWire or hi-speed USB2.

- **CueMix FX™** — flexible 28 input/16 bus mixer with on-board DSP effects, including reverb with sends/returns, plus EQ and compression on every input and output.

- **28 inputs / 30 outputs (at 44.1/48 kHz)** — there's no channel sharing in the 828mk3; the mic inputs, S/PDIF I/O, headphone out and main outs are all handled as separate channels.

- **Front-panel control** — access any setting in your entire 828mk3 mix directly from the front panel.

- **Stand-alone operation** — program your mixes at the studio and then bring the 828mk3 to your gig - no computer needed. Need to tweak the mix? Do it on site using the back-lit LCD and front-panel controls.

- **Multiple CueMix FX mixes** — for example, create different monitor mixes for the main outs and headphones. Or add send/return loops for outboard gear - with no latency.

- **Two front panel combo jacks** provide hi-Z 1/4" guitar input or low-Z XLR mic input with phantom power, pad and plenty of gain.

- **Mic/guitar instrument sends** — add your favorite outboard EQ, preamp, reverb or other processor to the two mic/guitar inputs, before the signal goes digital.

- **Clip protection** — Mic/guitar input limiter prevents digital clipping and distortion from overloaded signal levels up to +12 dB over zero.

- **Eight 24-bit 192kHz analog inputs and outputs** on balanced/unbalanced 1/4" TRS jacks

- **Precision Digital Trim™** — Digitally controlled analog trim on all analog inputs (mic/guitar inputs + quarter-inch TRS inputs) provides accurate adjustements in 1 dB increments. Fine-tune the balance of your analog inputs and then save/recall trim configurations.

- **Flexible optical I/O** — 16 channels of ADAT lightpipe, 8 channels of SMUX (96 kHz) or two pairs of stereo TOSLink. Mix and match formats between the two banks.

- **Sample-accurate MIDI** — connect a MIDI controller and/or sound module with no separate interface needed. MIDI I/O is sample-accurate with supporting software.

- **Foot switch input** — connect a standard foot pedal switch (sold separately) for hands-free punch-in and punch-out while recording. Or map the pedal to any keystroke function in your host software.

- **Expandable** — add additional interfaces for more I/O as your needs grow.

- **Separate XLR main outs and front-panel headphone jacks**, each with independent volume control.

- **Stereo 24-bit 96kHz S/PDIF in/out**

- **Word clock in and out**

- **SMPTE in and out**

- **DC-coupled TRS outputs** — can be used with [Volta™](#) (sold separately) to manipulate and sequence voltage-controlled modular synthesizers from a host DAW.

- **Includes 32- and 64-bit native drivers for Mac OS X and Windows 7/Vista/XP**, including ASIO, WDM, Wave, Core Audio, and Core MIDI. Supports all popular Mac and Windows audio software.

- **100% compatible with all host-based effects processing in today's popular audio programs.**

- **Includes AudioDesk full-featured sample-accurate workstation software for the Macintosh** with recording, editing, mixing, real-time 32-bit effects processing & sample-accurate sync.

- **Plug-and-play operation with your Mac or PC via FireWire or high-speed USB 2.0.**

- **Front panel volume control for monitoring.** Stereo, Quad, 6.1, 7.1 and user-defined surround monitoring setups available.

- **Two front panel headphone jacks with independent volume controls.**

- **Front panel meters or activity LEDs** for all analog, digital and MIDI I/O, plus SMPTE sync tach and lock LEDs.

- **Dedicated front panel clock status LEDs.**

- **International 100-240V, 50-60 Hz autoswitching power supply.**

- Chassis dimensions, excluding rack ears and front and back panel knobs and connectors: 19 × 7 × 1.75 inches (48.26 × 17.78 × 4.45 cm). Knobs and connectors extend up to 0.5 inch (1.27 cm) from front and back panels, adding 1 inch (2.54 cm) to depth. With rack ears attached, fits standard 19 inch (48.26 cm) rack at 1U high.