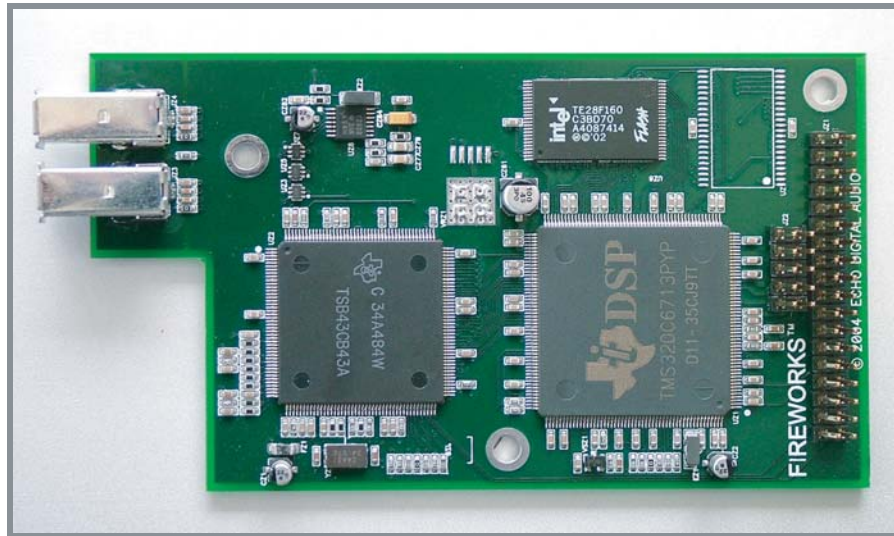


FireWorks™

FireWire Audio Interface Module



FireWire Features

- Two 1394a 400 megabit ports
- Texas Instruments iceLynx with integrated phy, link, and ARM7 processor
- Two isochronous channels
- 61883-6 and AV/C compliant
- Supports any audio data format: AM824, floating point, big and little endian
- Multiple channels at up to 192 kHz:
 - 12 audio channels in, 12 audio channels out at 192 kHz
 - 24 audio channels in, 24 audio channels out at 96 kHz
 - 48 audio channels in, 48 audio channels out at 48 kHz

Daughtercard I/O

- 15 serial pins, either I2S or I8S format (maximum of 120 audio channels)
- 9 GPIO pins
- MIDI I/O
- SPI port (uses 5 of the GPIO pins)

Clocking

- Supports up to 192 kHz sampling
- Built in low-jitter internal clock
- Supports FireWire SYT clock recovery
- Supports sync to external clock

Power

- Supports external and FireWire bus power

Software Features

- Mac OS X native driver support - CoreAudio and CoreMIDI
- Includes low-latency Windows WDM/ASIO/GSIF drivers

Signal processing

- 1.6 gigaflop 32-bit floating point DSP (Texas Instruments 320C6713)
- Supports Texas Instruments xDAIS plugin standard
- Digital mixer included

Memory

- 2 megabyte flash RAM
- 256 kbyte internal DSP memory
- 256 kbyte internal ARM memory



www.echoaudio.com