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IEEE 1394 Host Bus Adapters

Add an IEEE 1394 (FireWire[tm]) port to your PCI computer or workstation

1394 features

- Cable is hot-pluggable for easy integration and maintenance
- Supports 63 nodes per 1394 bus
- High speed (400 Mbits/s today with a migration path to 3.2 Gb/s in the future)
- Extendable cable length via 1394 repeaters
- Memory mapped architecture
- Nodes can operate even when host is not powered on
- Integrated DMA controller frees up the processor

All SBS 1394 HBAs feature

- Supports serial bus data rates of 100, 200 and 400 Mbits/s
- OHCI standard register set
- Plug & play for Intel Windows 98 and 2000 platforms
- Fully isolated 1394 power supply
- Conforms to IEEE 1394a specifications









SBS 1394 host bus adapters provide IEEE 1394 ports to a processor. The ports can be used for connection to any 1394 device; for example, a digital video or still camera, a disk drive, or another 1394 host computer.

All SBS 1394 host bus adapters use Texas Instruments' 12LV23 OHCILynx chip for compatiblity with native drivers in operating systems that support 1394.

Feature	2341	2342	2343	2344
Host Bus	PCI	PCI	PMC	cPCI
1394 Speed	400 Mb/s	400 Mb/s	400 Mb/s	400 Mb/s
6-Pin Ports	3	3	3	3
Power Class	4	1	4	4
Galvanic Isolation	Yes	Yes	Yes	Yes
OHCI Compliant	Yes	Yes	Yes	Yes
Host Bus Voltage	3.3V, 5V	3.3V, 5V	3.3V, 5V	3.3V, 5V
Plug & Play for Windows	Yes	Yes	Yes	Yes

SBS™ Technologies

IEEE 1394 HBAs

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IEEE 1394 Cables:

All SBS 1394 adapters require standard 6-pin IEEE 1394 cable. Standard 1394 cable is available from SBS in the following lengths:

• 1 meter • 3 meter • 4.5 meter

Software Support

SBS 1394 host bus adapters are supported through native drivers in the host operating system. Currently, Windows 98 and Windows 2000 recognize SBS host bus adapters and the drivers provided in the operating system allow all adapter features to be used. Future support for 1394 has been announced for several other operating systems. As new drivers become available, SBS intends to ensure that the host bus adapters will be recognized. Call your operating system vendor or SBS Connectivity Products for up-to-date information on 1394 support for your operating system.

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