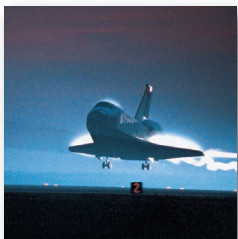


StreamStor



GSA Contract Number:
GS-35F-0457P
Expires: April 15, 2009

Recording and Playback Solutions for Your Data Acquisition and Instrumentation Needs!

Sustained 200 Mbytes/Sec Recording & Playback

Conduant Corp.'s solutions provide you the very best in high-speed recording and playback. Easily add a long duration digital recording and/or playback component to your data acquisition solution. The StreamStor cards are guaranteed to perform at the fastest speeds (200 MB/sec), at *sustained data rates* for hours and hours. Available in several form factors and multiple speeds, StreamStor effortlessly integrates with a wide array of commercial-off-the-shelf (COTS) data acquisition devices.

Highly Scalable

StreamStor controllers provide scalable performance, up to 200 Mbytes/Sec per controller, with *storage capacities from gigabytes to several terabytes*. Plug in additional drives (up to 16 on some models) for additional streaming performance and duration. Multi-bus configurations are also available to enable recording or playback at rates well above 200 Mbytes/Sec.

Guaranteed Sustained Data Transfer Rates

By facilitating hardware to hardware data transfers, StreamStor overcomes bottlenecks common to RAID and other conventional storage systems. Data transfer rates are *independent of host and operating system performance*. An onboard processor and real-time operating system ensures uninterrupted data recording by dynamically allocating available drives in the disk array. Models are available with an onboard RAM of up to one gigabyte for high speed, sustained data playback.

Hardware and Software Compatibility

Models are *available with PCI, CompactPCI, PXI, ChannelLink and FPDP interfaces*. A flexible daughter board design allows for application specific or custom interfaces. StreamStor controllers are compatible with Windows and Linux operating systems. Use the StreamStor Software Development Kit to quickly integrate streaming storage with data acquisition or playback hardware. StreamStor can be paired on the PCI bus with commercially available digital data acquisition boards which have DMA (Direct Memory Addressing) hardware and bus mastering capability.

World Class Support

StreamStor controllers are factory integrated and tested. All models are backed with a full one year replacement warranty. Technical support is available on our website via instant messaging, email (support@conduant.com) and telephone (303.485.2721). Our online knowledge base and application notes provide answers 24 hours a day.

Model Comparison

	CPCI-408	CPCI-816	PCI-816	PCI-816XF2	PXI-808
Sustained Streaming (Mbytes/Sec)	60	200	100	200	200
Maximum Disk Drives (Ultra DMA IDE)	8	16	16	16	8
Maximum Onboard RAM	256 KB	512 KB	512 MB	512 MB	512 MB
CPCI/PCI Bus	32 Bit	64 Bit	32 Bit	32 or 64 Bit	32 or 64 Bit
ATA Disk Drives (as specified or above)	Ultra 33	Ultra 66	Ultra 33	Ultra 66	Ultra 66/SATA
External Interfaces	None	Channel Link, Daughter Board	None	FPDP	PCI, Daughter Board
Streaming Duration at Highest Rate (Hours)	9	5	11	5	2.5
Streaming Duration at 20 Mbytes/Sec (Hours)	28	56	56	56	28
2.5 and 3.5 IDE Drive Support	Yes	Yes	Yes	Yes	Yes
Sustained Playback Performance	No	Yes	No	Yes	Yes
Master/Scatter-Gather Support	Yes	Yes	Yes	Yes	Yes

Specifications

Operating Systems:

Windows NT/2000/XP
Linux
VxWorks

Interfaces:

PCI: 32 Bit/33 MHZ
64 Bit/66 MHZ
CPCI: 32 Bit/33 MHZ
64 Bit/33 MHZ
FPDP: 32 Bit/50 MHZ
PXI: 32 Bit/33 MHZ
Channel Link: DS90CR483/484 Chipset

Cables:

24-Inch IDE & Custom Options
12-Inch Infiniband

Dimensions:

PCI: Full Size PCI card
CPCI: 3U or 6U
PXI: 3U

Operating Temperature:

5° to 50° C

Disk Drives:

Ultra ATA/33/66 or 100 IDE
Serial ATA

PCI Specifications:

PCI 2.1 Compliant
Bus Master/Scatter-Gather support

FPDP Specifications:

ANSI/VITA 17-1998
Cable Length 1 Meter (multiple drops)
Cable Length 5 Meters point to point
Clock frequency 4-50MHz

Miscellaneous:

IBM PowerPC dedicated processor
Up to 512 MB onboard DRAM buffer
Upgradeable Software and Firmware

PCI-816XF2



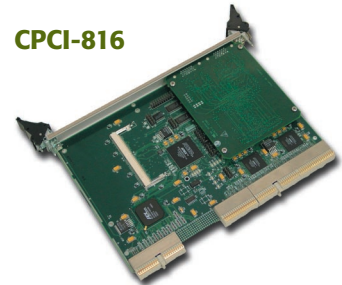
PXI-808



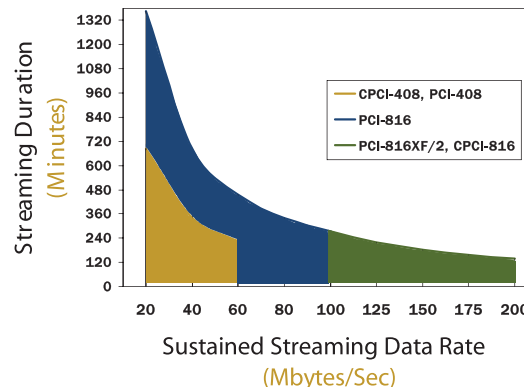
CPCI-408



CPCI-816



Performance Configurations



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