High Speed SSA Data Pump*

Performance
- SSA Bandwidth 80 Mbytes Per Second
- Greater Than 4500 I/O Operations Per Second[1]
- Command Queuing: Supports Up to 220 Concurrent Commands
- Maximum PCI Data Transfer Rate: 132 Mbytes Per Second

Operating Systems
- MacOS*
- Windows NT
- DOS (For CAM Exerciser)
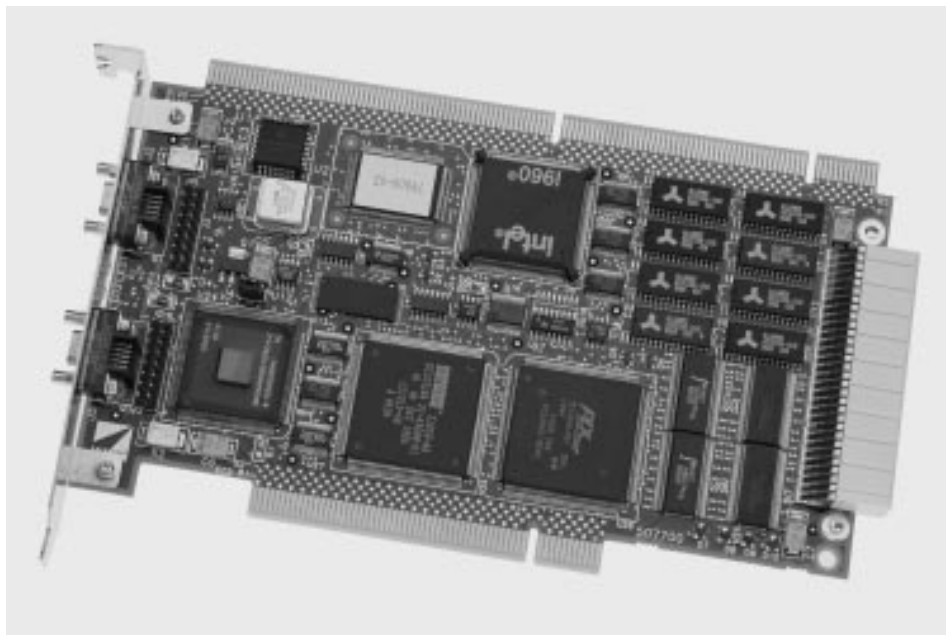- Contact Factory For Additional O/S Support

SSA Interface
- Provides Two SSA Ports Which Support SSA Loops or Strings, With Up to 128 Devices Per Loop
- 20 Meters, Point-to-Point Using Twisted Pair Copper Cables
- Provides SSA Initiator Capabilities
- Supports Multiple Initiators in the Same SSA Loop
- Onboard Connectors Allow Use of SSA Devices Within the Host Chassis
- Supports Hot-Plugging
- Self-Configures on Power-Up
- Link Protection: 4 Byte CRC
- Error Rate: 1 Error in 1 Trillion Bits
- Complies With ANSI X3T10.1

Dual PCI Bus Interfaces (Host-Side, I/O-Side)
- Full PCI Compliance
- Supports 33 MHz PCI Bus
- Serves as a PCI Burst DMA Device
- Scatter/Gather Mode Supported
- Connector, Host-Side PCI Bus: Standard PCI Edge Connector
- Connector, I/O-Side PCI Bus: Side-Mounted, High Density, Low Profile Pin-and-Socket Connector

Physical/Environmental
- Form Factor: Half-Size PCI
- Power: Less Than 7.6 Watts
- Temperature Range (Operating): 0-50 Degrees C
- FCC Class B Certified
- CE-Mark Received

The High Speed SSA Data Pump* enables data streaming directly between SSA devices and customer-designed neighbor boards, bypassing the host system bus altogether. This unique design dramatically reduces host PCI bus loading while supporting the available SSA bandwidth of 80 Mbytes per second and provides high speed, industry-standard PCI connectivity to proprietary designs and interfaces.

Local Processor
- Intel i960® JF Processor
- 32-Bit RISC Processor
- Operates at 25 MHz, Rated at 23 MIPS
- Offloads SSA Protocol Processing Tasks From Host System
- Enables Adapter to Deliver >4500 I/O Operations Per Second

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For details on the High Speed SSA Data Pump visit our Web site.

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[1] Results vary as a function of host OS efficiency, users' application profiles, and the number and type of SSA devices accessed by the data pump.

PATHLIGHT

Standard Full-Size PCI Card Length

6.580", 167.14 mm   Up to 5.703", 144.86 mm

High Speed SSA Data Pump™

Control Logic

80960JF Processor

Memory

SSA Port 1

SIC-3

Customer-Designed Neighbor Board

High density, low profile Neighbor Board Connector

DEC PCI-to-PCI Bridge Chip

PCI 9060 Bus Interface

SSA Port 2

I/O System PCI bus 132 MB/second

Host PCI Bus, 132 MB/second