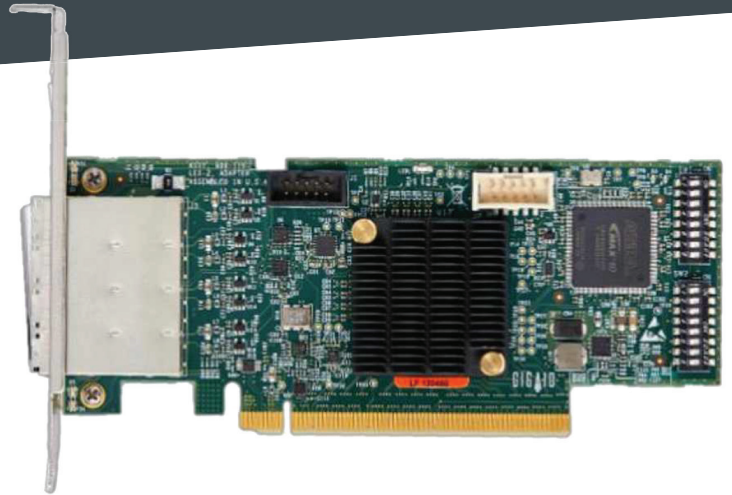


GIGAIO NETWORK ADAPTER CARD

For the FabreX™ Hyper-Performance Network

FABREX NETWORK ADAPTER CARD

GigalO FabreX technology solves the number one complaint in cluster computing: interconnect network performance. This hyper-performance network for advanced scale computing gives users the flexibility to create exactly the system they need for optimized performance and reduced total cost of ownership.



The FabreX Network Adapter is the high-performance, cabled interface to cluster subsystems across the FabreX hyperperformance network. The adapter card includes both host and target (for PCIe 1/0) modes and is FPGA-powered for configuration flexibility. Applications can access remote PCIe devices as if they are attached to the local system.

GigalO FabreX technology solves the number one complaint in cluster computing: interconnect network performance.

The card features 128 Gbit/s (256 Gbit/s full duplex) throughput for high speed and low latency. Each card has a Quad SFF-8644 connector and Mini-SAS HD connector cables. Bi-color face plate LEDs show link status.

CABLES

PCIe 3.0 cabling with Mini-SAS HD connectors ensures low cost and simplicity.

The FabreX Network Adapter Card is designed for maximum cable length at full PCI Express Gen 3 speed. Copper cables can connect up to 5 meters, or use fiber optic cables to extend the distance up to 100 meters.

GET IN TOUCH

AMERICAS

1-800-654-BIOS
123 10th St.
San Francisco, CA 94103.

EMEA

+44 (0) 203 178 6467
Salisbury House, 29 Finsbury Circus,
London, EC2M 5QQ

APAC

+61 (0)2 9959 1010
Level 12, 1 Pacific Highway,
North Sydney, NSW 2060

HOST CARD SPECIFICATIONS

DIMENSIONS	Low profile half height PCIe card
PORTS	4 x4 PCIe Gen3 ports supporting x4, x8 or x16 configurations.
PERFORMANCE	x4 (32 Gbits/sec) Half Duplex, (64 Gbits/sec) Full Duplex x8 (64 Gbits/sec) Half Duplex, (128 Gbits/sec) Full Duplex x16 (128 Gbits/sec) Half Duplex, (256 Gbits/sec) Full Duplex
LED INDICATORS	Status indicators for each of the x4 ports
HOST AND TARGET	Single board supports both host and target mode
CONNECTORS/CABLES	SFF-8644 Copper Cables up to 5 meters Cable Management Interface (CMI) on all Ports Active Optical Cable (AoC) up to 100 meters
TOPOLOGIES	One x16 connection, Two x8 connections or Four x4 connections
POWER	10 Watts typical, 17 Max. (Max.= all 4 ports with Active Optical Cable)
PCIe BRACKET	Half height plate mounted Full height plate included
ENVIRONMENTAL	Operating Temperature with copper: 0°C -50°C (32°F -122°F), Air Flow: 10 LFM Operating Temperature with AOC: TBD Relative Humidity: 5% -95% (non-condensing)

HIGHLIGHTS

FOUR-BY-FOUR (X4)
PORTS FULL-DUPLEX:
FOUR X4, ONE X16

ROMA AND PRO-
GRAMMED 10 FOR LARGE
OR SMALL PACKETS

8 GBITS/S PER LANE, CMI
(PER PCIe CABLE SPECIFI-
CATION 3.0)

FULL-HEIGHT AND
HALF-HEIGHT BRACKETS
INCLUDED

HOST CABLE SPECIFICATIONS

CABLES	Copper Cables up to 7 meters Cable Management Interface (CMI) on all Ports Active Optical Cable (AoC) up to 100 meters
CONFIGURATIONS	x4, x8, or x16 (Cable Management Interface on all ports)
CABLE CONNECTORS	Mini-SAS HD (SFF-8644)

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