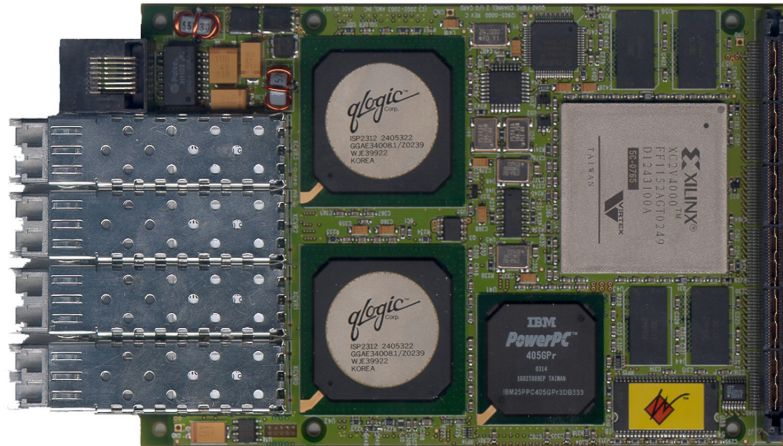


Annapolis Micro Systems, Inc.

Quad Fibre Channel 2 I/O Card

4 Full Duplex 2 Gbit/Sec Fibre Channel 2 Connections



The Quad Fibre Channel 2 I/O Card has 4 full duplex channels, each of which can support up to 400 MB/sec peak data rate. This I/O Daughter Card can be mounted on a Virtex™ II Pro based WILDSTAR™ II Pro VME/PCI or ACE, Virtex™ II based WILDSTAR™ II VME or PCI, the Virtex™ based FIREBIRD™ PCI, or the Virtex™ E Based WILDSTAR™ E VME. Use CoreFire™ to quickly and easily implement high performance applications.

Features

- 1.6 GBytes/Sec Total Fibre Channel 2 I/O
- 4 GBytes/Sec Total I/O Card Bandwidth to WILDSTAR™ II or FIREBIRD™ per I/O Card
- Pluggable Replaceable Transceivers
- Processor Element is Virtex™ II FPGA XC2V4000-5
- CoreFire™ Support to Integrate I/O Card into Motherboard Application
- Optional Race™, Single Race++, and Dual Race++ Interface across the VME P2 Backplane Available Separately

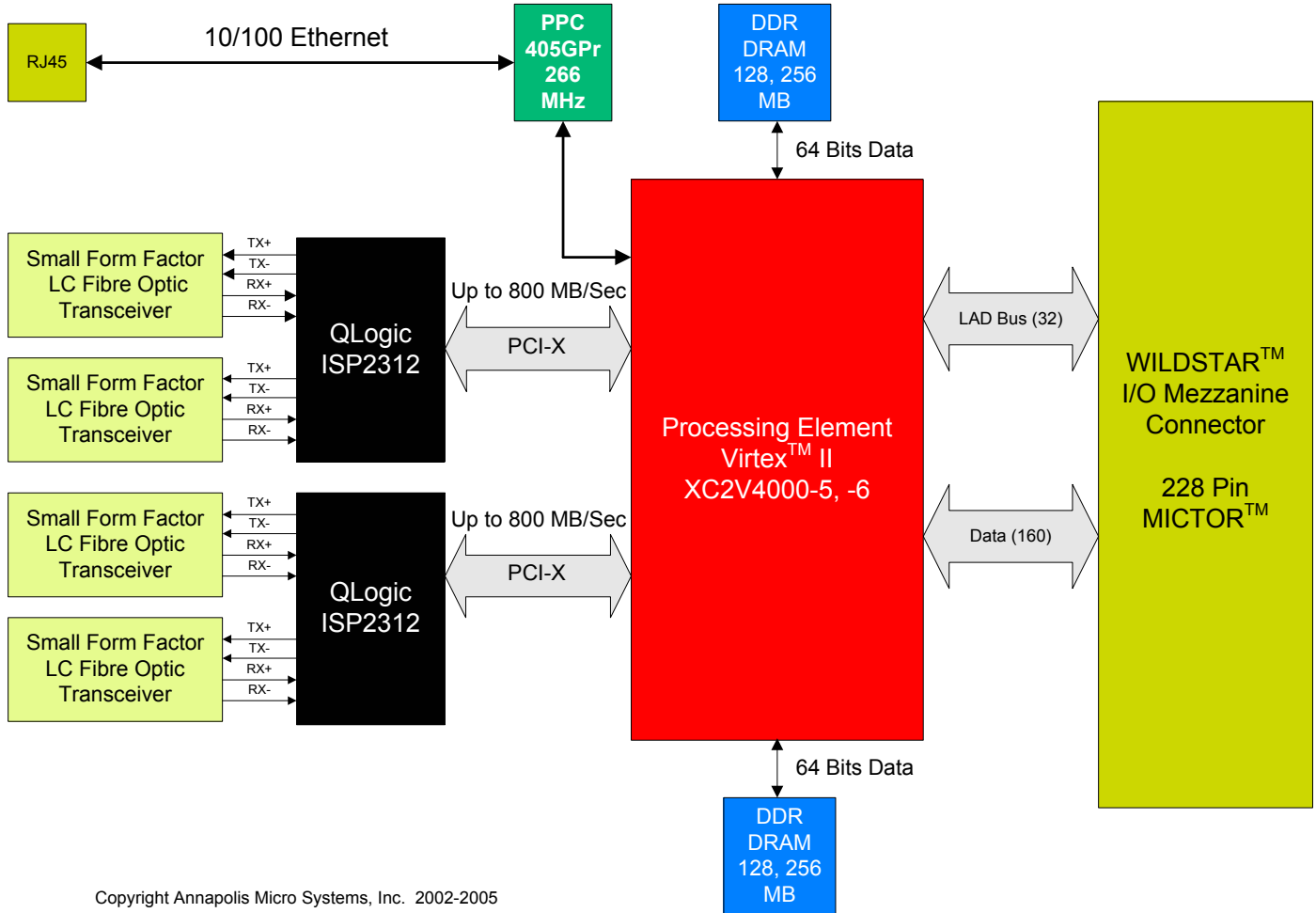
Benefits

- Reduce Risk
- Highly Integrated Fibre Channel 2 Performance
- Provides Complete Solution - COTS HW and CoreFire™ IP for Easy Implementation
- Save Time and Money
- Save Power and Space
- Main Board with I/O Card(s) Installed Occupies Only a Single VME or PCI Slot
- 8 Fibre Channel 2 Channels per VME Slot
- Board and FPGA Systems Speeds up to 150 MHz, depending on Main Board



Annapolis Micro Systems, Inc.

4-Channel Full Duplex 2Gbits/Sec Fibre Channel 2 I/O Board



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Fibre Channel 2 Part Number:

**WS/IOFC2G/
XC2V4000-x/
xxx**

**Fibre Channel 2 I/O Card
Virtex II XCV4000-5 or -6
256 or 512 MB DDR DRAM**

Sample Number: WS/IOFC2G/XC2V4000-6/256

Eliminate Backplane Bottlenecks

- Eliminate Backplane and System Bottlenecks between Data Source and High Performance FPGA Processing Elements
- Can be used anywhere Fibre Channel 1 or Fibre Channel 2 is used
 - Sensor Interface
 - SAN Network
 - RAID Disk Drive
 - Point to Point Board Interconnect
 - Fabric Switch Interconnect

Fibre Channel 2 I/O Card Specifications

- Fibre Channel-arbitrated loop (FC-AL), FC-AL-2, point-to-point, and switched fabric topologies
- Full Duplex communications in point-to-point, and switched fabric Fibre Channel topologies
- Compliance with ANSI SCSI standards for class 1, class 2, class 3, and intermix Fibre Channel service:
 - Fibre Channel-Arbitrated Loop (FC-AL-2) working draft, rev 6.4, Aug 28, 1998
 - Fibre Channel-Fabric Loop Attachment (FC-FLA) working draft, rev 2.7, Aug 12, 1997
 - Fibre Channel-Private Loop SCSI Direct Attach (FC-PLDA) working draft, rev 2.1, Sep 22, 1997
 - Fibre Channel-Tape (FC-TAPE) profile, T11/98-124vD, rev 1.13, Feb 3, 1999.
- Supports Fibre Channel protocol-SCSI (FCP-SCSI), Fibre Channel Internet Protocol (IP), and Fibre Channel-Virtual Interface (FC-VI) protocol
- Supports SCSI initiator, initiator/target, and target modes
- Automatically negotiates the Fibre Channel bit rate (1 or 2 Gb)
- Support external frame buffering for performance scalability over long distances (up to 100 km)

Physical Dimensions: Length: 144.8 mm/5.84 in Width: 91.44 mm/3.6 in Thickness: 1.4 mm/.055 in Weight: 7 ounces	Operating Range: Temperature: 0 to 70 degrees C Environmental Specifications: Power (3.3 Volts): TBD Power (5.0 Volts): TBD
Safety: All Printed Wiring Boards (PWB) are Manufactured with a Flammability Rating of 94V-0 by a UL Recognized Manufacturer.	Electromagnetic Compatibility (EMC): Intended for Use in Systems Meeting the Following Regulations: USA: FCC Part 15, Subpart B, Class B Canada: ICES-003, Class B

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Made in the USA



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