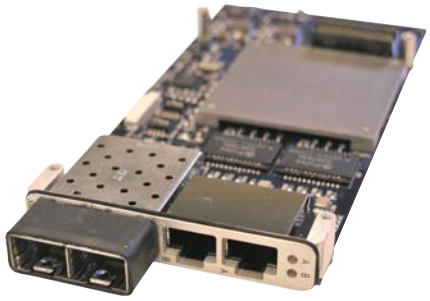
>> DATA SHEET

Providing a Cohesive Approach to Embedded Solutions

XMC3410

Multi-Interface Gigabit Ethernet XMC Card



Diversified Technology's XMC3410 Gigabit Ethernet XMC module supports many different types of SFP modules allowing the board to be used in diverse ways and is ideal for use in optical networks. By supporting both RJ45 and SFP ports the XMC3410 can be used in both current Optical and Copper networks. The XMC3410 uses the PCI Express Standard for interconnecting to the carrier board.

Mechanical
• Conforms to VITA 42.0 XMC Standards.

Power Usage
Max Power Dissipation:
SerDes – No Link: 3.37W Link: 5.28W
Copper – No Link: 2.73W Link: 4.95W

Environmental
Operating
• Temperature: -5° to 55°C
• Humidity (RNC): 10% to 85% non-condensing
• Altitude: 4,572m / 15,000 ft
• Shock: 50g
• Vibration: 5-500MHz @ .5g RMS random

Storage and Transit
• Temperature: -40° to 70°C
• Humidity (RNC): 10% to 90% non-condensing
• Altitude: 15,240m / 50,000 ft
• Shock: 50g
• Vibration: 5-500MHz @ .5g RMS random

Reliability and Serviceability
• MTBF: 682,423 hours
• 2 year limited warranty

Regulatory Compliance
• CE Certification EN55024:1998
• Safety : UL/cUL 60950-1, EN/IEC 60950-1, GR-63-CORE-12
• EMC
• FCC Part 15, Subpart B; Industry Canada ICES-003-I3:1997
• EN 61000-4-2; EN 61000-4-3; EN 61000-4-4; EN 61000-4-5
• EN 61000-4-6; EN 61000-4-11; GR-1089-CORE-I3

PRODUCT FEATURES

VITA 42.0 XMC Specification

VITA 42.3 PCI Express Standard

RJ45 Ethernet interface:
• (2) 10/100/1000 Ports
• EMI Shielding

SFP Optical Ethernet interface:
• (2) 2Gbps Optical Ports

SerDes to Copper Mode Selectable
• Manual Switch
• Software configurable
• Future Support Mixed mode

Xilink FPGA Solution

Voltage Health Monitoring

Integrated FRU record

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