

DXE410 PCI Express Expansion Chassis



The Dolphin DXE410 PCI Express Expansion Chassis is unique for its flexibility, ease of use, and scalability. The DXE410 adds both PCI Express slot and distance scalability to low cost servers and workstations with limited PCI Express slots. Enterprise and Embedded application developers can lower system cost and cooling requirements by separating their I/O from servers and workstations. The DXE410 supports both copper and fiber optic cabling, allowing it to connect to a host up to 300 meters away. In conjunction with the DXH510 PCI Express Host Adapter, transfer rates between the host and the expansion chassis can reach up to 20 Gbps.

The DXE410 supports both x4 and x8 PCI Express slots. A total of eight configurable PCI Express slots are available. Applications requiring higher performance can configure the chassis for up to four x8 PCI Express slots, while applications requiring more slots can be configured for eight x4 PCI Express slots. The chassis is self configuring based on which slots are selected in the chassis, so multiple configurations are available.

Dolphin implemented the DXE410 with several ease of use features, such as self configuring slots and in-band remote power-on. The remote power-on feature provides the capability to locate the expansion chassis up to 300 meters away from the host, but the DXE410 will power-on when the host powers on. Remote power-on aids in system deployment and maintenance, reducing setup time and configuration. The DXE410 is a flexible system that allows users to scales both distance and performance.

Features

- Eight slot PCI Express expansion chassis with high speed x8 PCI Express and x4 PCI Express support
- 20 Gbps interconnect performance between expansion chassis and host system.
- Automatic chassis power-on from host over fiber or copper cabling provides ease of installation and setup
- Provides both copper and fiber optic cabling options for connection to host
- Automatic slot configuration for x4 or x8 slots provides flexibility for performance applications
- 430 Watt power supply support high end graphics and storage solutions
- Provides cable distance support for up to 10 meters via copper cabling and 300 Meters with fiber optic cabling from host
- Optional dual power supply
- 4U rackmountable chassis

Specifications

Link Speeds	Dual Channel - 2x 10 Gbits/s duplex
Performance	1.8 Gbytes/s communication data rate on two ports 900 Mbytes/s communication data rate on single port
Slots	8 PCI Express Slots Self configuring slots - (4 -x8 slots or 8-x4 slots)
PCI Express	Base Specification 1.0a
Cable Connections	CX4 copper Cables -up to 10 meters Fiber-Optic cables- up to 300 meters
Power	430 Watt power supply Remote power-on <30W without PCIe adapter cards installed
Mechanical Dimensions	4U -19 inch Rackmountable 482 (W) x 481 (D) x 177 (H) mm
Drives	up to three 5.25" and one 3.5" disk drive
Fans	Two 12cm dual ball bearing fans Up to 208 CFM
Operating Environment	Operating Temperature: 0°C -55°C Relative Humidity: 5% -95% non-condensing
Operating Systems	All operating systems
Regulatory	CE Mark, commercial FCC Class A
Product Codes	DXE410-A0

Configuration

