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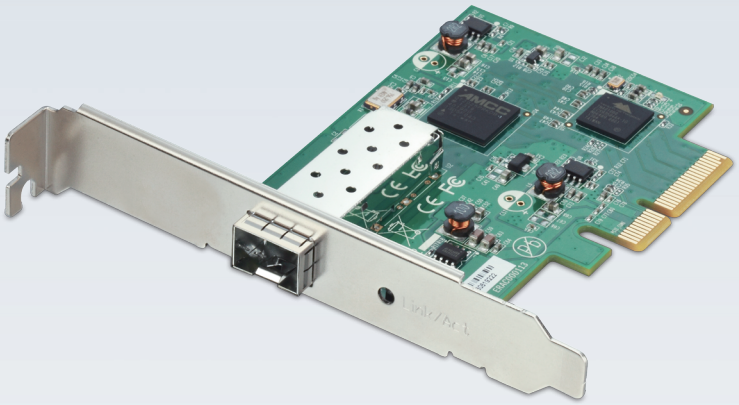
Product Highlights

High-speed Transmission
High-speed data transmission at rates up to 20 Gbps over fiber-optic cabling[1]

Advanced Features
802.3x flow control for traffic management, 802.1Q VLAN tagging for increased security, and checksum offloading to reduce CPU processing burden

Low Power Consumption
Maximum power consumption of just 4.48 Watts, bringing increased efficiency and power savings



DXE-810S

10 Gigabit Ethernet SFP+ PCI Express Adapter

Features

High-Performance:
- PCI Express Interface
- Auto-negotiation
- 10 Gigabit Link with 20 Gbps Total Throughput

Advanced Standards-based Enterprise Features:
- 802.1Q VLAN Tagging
- 802.3x Flow Control
- Jumbo Frame Support (up to 16K bytes)
- SNMP Statistics
- TCP/UDP/IP Checksum Offloading

The D-Link DXE-810S 10 Gigabit Ethernet SFP+ Express Adapter is a high performance adapter designed for the high-speed PCI Express bus architecture. It offers increased bandwidth, reliability, and more functionality than standard PCI network cards. It is specifically designed to allow throughput at rates up to 20 Gbps, thus eliminating the bottleneck that exists with current 32 and 64-bit PCI bus architectures.

Advanced Features and Security

The card features onboard screening of 802.1Q VLAN tagged Ethernet frames, allowing you to assign multiple subnets to each server and isolate devices within each VLAN from the rest of the network for better traffic control and security. With support for advanced features such as 802.3x Flow Control, Jumbo Frames, and SNMP for network management, the DXE-810S can easily interoperate with your current networking equipment.

Checksum Offloading

The DXE-810S features TCP, UDP, and IP checksum offloading functionality, which transfers the checksum processing tasks from the computer's CPU to the network card. It's ability to handle the checksum processing means that the CPU's processing power can be used for other tasks while still achieving 10 Gbps network speeds.

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DXE-810S
10 Gigabit Ethernet SFP+ PCI Express Adapter

Technical Specifications		
General		
Standards	• IEEE 802.1Q VLAN tagging • IEEE 802.3x flow control • IEEE 802.3ae 10 Gbps Ethernet	• IEEE 802.3aq 10GBASE-LRM • PCI Express x4 2.0, 5 GT/s compliant
Power	• Maximum Power Consumption: 4.472 W • 3.3V: 3.327 W • 12V: 1.145 W	• Input Voltage: 3.3 V and 12 V
Data Transfer Rates	• 10 Gbps	
Network Operation Mode	• Full Duplex (20 Gbps)	
Interface Slot	• PCI Express x4/x8/x16 slot	
Supported Functions	• 16 KB Jumbo Frame • 802.1Q VLAN tagging	• Simple Network Management Protocol Agent
Functionality		
Driver Support	• Windows 8, 7 • Windows Server 2012 • Windows Hyper-V	• Linux kernel 2.6.x - 3.x.x • VMWare ESXi 4.x
Diagnostic LED	• Link/Activity	
Physical		
Dimensions	• 4.25 x 4.72 x 0.74 inches (108 mm x 120 mm x 19 mm)	
Temperature	• Operating: 32 to 104 °F (0 to 40 °C)	• Storage: -4 to 158 °F (-20 to 70 °C)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 10% to 90% non-condensing
Certifications	• CE • FCC	• C-Tick • BSMI

DXE-810S
10 Gigabit Ethernet SFP+ PCI Express Adapter

Ordering Information	
Part Number	*Description*
DXE-810S	10 Gigabit Ethernet SFP+ PCI Express Adapter
DEM-CB100S	10-GbE SFP+ 1m Direct Attach Cable
DEM-CB300S	10-GbE SFP+ 3m Direct Attach Cable
DEM-CB700S	10-GbE SFP+ 7m Direct Attach Cable
DEM-431XT-DD	10GBASE-SR SFP+ Transceiver (with DDM)
DEM-432XT-DD	10GBASE-LR SFP+ Transceiver 10 km (with DDM)
DEM-435XT-DD	10GBASE-LRM SFP+ Transceiver (with DDM)
Warranty Information	
Warranty	1 Year Limited Warranty[2]

[1]When connected in full duplex mode. [2]1 Year Limited Warranty available only in the USA.

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For more information

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