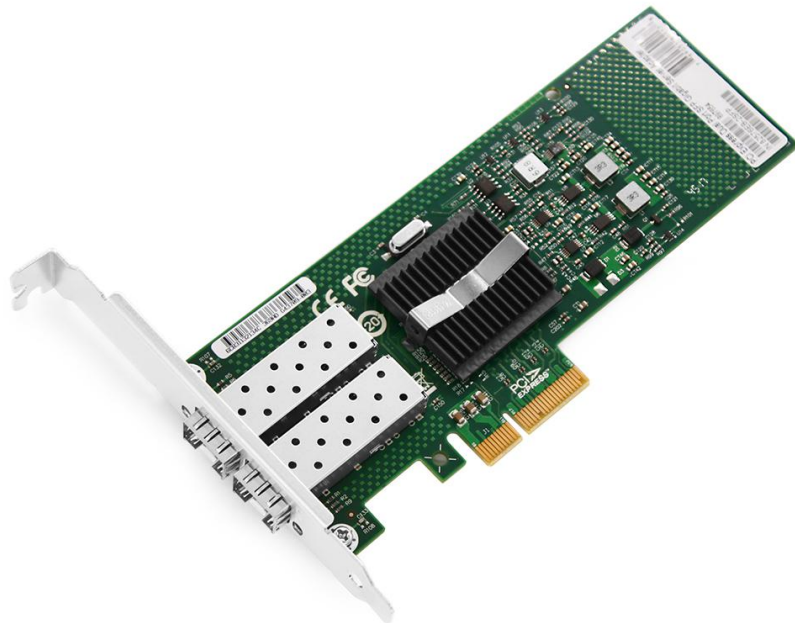


FM82576-1G-S2

PCIe x4 Gigabit SFP Dual Port Fiber Adapter



Description

The Intel® 82576 Gigabit Ethernet Controller is a single, compact, low power component that offers two fully-integrated Gigabit Ethernet media access control (MAC) and physical layer (PHY) ports. This device uses the PCIe* v2.0 (2.5GT/s). The Intel® 82576EB Gigabit Ethernet Controller enables two-port implementation in a relatively small area and can be used for server system configurations such as rack mounted or pedestal servers, where the Intel® 82576EB Gigabit Ethernet Controller can be used as add-on network interface card (NIC) or local area network on motherboard (LOM) design. Another system configuration is blade servers, where it can be used as LOM. The Intel® 82576EB Gigabit Ethernet Controller can also be used in embedded applications such as switch add-on cards and network appliances.

Product Specification

Part Number	FM82576-1G-S2
Product Name	Gigabit dual channel universal fiber to desktop network card
Product Type	desktop network card
Controller-processor	Intel Ethernet Controller 82576
Bus Width	4-lane PCI Express; operable in x4, x8 and x16 slots
Network Interface Type	SFP
Bus Type	PCI Express* 2.0 (2.5 GT/s)
Cabling Fiber	MMF 62.5/50 um
Data Rate Supported Per Port	1000 Mbps (Fiber)
Connectors	LC Fiber Optic (Fiber)
IEEE Standard/Network Topology	1000BASE-T
IEEE 1588	Yes
MACsec IEEE 802.1 AE	Yes
Connect Speed LED Indicators	amber=1 Gb/s
Intel® Virtualization	VMDc(SR-IOV with mobility),

Technology for Connectivity	VMDq, Intel® I/OAT		
Supported Operating Systems	Windows Server 2012 R2*, Windows Server 2012*, Windows 8*, Windows Server 2008 R2*, Windows 7*, Windows Server 2008*, Windows Vista*, Windows Server 2003 R2*, Windows Server 2003*, Windows XP Professional, Linux* Stable Kernel version 3.x, 2.6.x, Red Hat Enterprise Linux* 5, 6, SUSE Linux Enterprise Server* 10, 11, FreeBSD 9* , , VMware ESX/ESXi*		
Interrupt levels	INTA, INTB, INTC, INTD, MSI, MSI-X		
Power Consumption (Typical)	82576 2.8 W		
Length	13.54 cm (5.33 in.)	Width	6.89 cm (2.71 in.)
Full-height end bracket	12.0 cm (4.725 in.)	Low-profile end bracket	7.92 cm (3.117 in.)
Operating temperature	0°C to 55°C (32°F to 131°F)	Storage temperature	40°C to 70°C (-40°F to 158°F)
Storage Humidity	90% non-condensing relative humidity at 35 °C		

Ordering Information

Part Number	Product Description
FM82576-1G-S2	Intel 82576 chip, PCIe x4 (2.5GT/s), Gigabit SFP Dual Port, 1000Mbps Data Rate