

## 716591-B21-AO

HP® Comparable 10Gbs Dual RJ-45 Port 100m PCIe 2.0 x8 Network Interface Card

### Features

- 10GbE speeds with standard Cat6A cabling
- Chipset Intel X540
- Backwards compatible with 1000Base-T networks for simplified transition
- Low cost, lower power 10GbE performance
- Flexible I/O virtualization for port partitioning and QoS of up to 64 virtual ports
- Unified delivery of LAN, iSCSI, and FCoE in on device
- Low profile



### Product Description

This is an HP® 716591-B21 comparable 10-Gigabit Ethernet PCIe 2.0 x8 network interface card with dual RJ-45 ports that comply with IEEE 802.3 standards. It is based on an Intel X540 chipset and is compatible with a variety of different applications and operating systems, including Windows, Linux and Unix-like systems. Providing 10Gbs of network speed, it fully supports high-end servers and various other networking applications. In addition, this card supports high level VLAN filtering. The dual RJ-45 ports operate over copper patch cable, allowing for an operating distance of 100m. This product includes both half-height and full-height brackets. Our network interface cards are 100% compliant and offer a cost-effective solution for all of your network upgrade needs. With our certification test program, we guarantee your product will work right the first time.

## Specifications

Parameter	Server Network Card	
<b>Bus Interface</b>	PCI Express 2.1 (5.0 GT/s)	
<b>Bus Width</b>	PCIe x8 (operable in x16)	
<b>Operating Distance</b>	10BASE-T: 100BASE-T: 1000BASE-T	100m on Cat6A, 55m on Cat6 100m on Cat5e, Cat6 or Cat6A 100m on Cat5e, Cat6 or Cat6A
<b>Network Interface Type</b>	Dual Port RJ-45	
<b>Controller-Processor</b>	Intel X540	
<b>Interrupt Levels</b>	INTA, MSI, MSI-X	
<b>Hardware Certifications</b>	FCCA, UL, CE, VCCI, BSMI, CTICK, KCC	
<b>Operating Systems Supported</b>	Windows 7 (IA32 and X64) Windows Server 2008 (x64 and IPF) Windows Server 2008 Core (x64 and IPF) Windows Server 2008 R2 (x64 and IPF) Windows Server 2008 R2 Core (x64 and IPF) Windows Server 2003 Microsoft Vista	Linux SLES 11 SP1 SUSE SLES 10 or later, Professional 9.2 or later Microsoft Windows Virtual Server 2005 Red Hat Enterprise 4 or later FreeBSD 5.x or later support VMware ESX 4.0/4.1, ESXi 5.0 support Fedora E F I 1.1

## Contact Information

Founded in 1999, AddOn Networks is North America's leading provider of Transceivers and high-speed cabling. With a reputation for high quality products as well as an extensive custom design portfolio, AddOn has the connectivity solution regardless of the requirement.

At AddOn, 100% of the products we ship every day are tested in the specific application for which they are intended—never batch or spec tested only. We run bandwidth, distance and IOS network tests. We have documented an impressive 0.03% failure rate over the last 10 years. To continue this rate of success we invest millions annually in our own on-site testing lab.

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