

## **647594-B21-AO**

HP® 647594-B21 Comparable 10/100/1000Mbps Quad RJ-45 Port 100m PCIe 2.0 x4 Network Interface Card

### **Features**

- PCI Express v2.0 x4 quad RJ-45 ports
- Network Interface Card
- Intel 82580
- Compatible with PCIe X8 and X16 channels
- IEEE 802.3

### **Product Description**

This is an HP® 647594-B21 comparable Gigabit Ethernet PCIe 2.0 x4 network interface card with quad RJ-45 ports that comply with IEEE 802.3 standards. It is based on an Intel 82580 chipset and is compatible with a variety of different applications and operating systems, including Windows, Linux and Unix-like systems. Providing 10/100/1000Mbps of network speed, it fully supports high-end servers and various other networking applications. In addition, this card supports high level VLAN filtering. The quad 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	Specifications
Controller	Intel I350
Cable Medium	Copper
Cable Type	1GBase-T, Cat 5e or Higher up to 100m
	100MBase-T, Cat 5 or Higher up to 100m
	10MBase-T, Cat 3/4/5/5E/6 or Higher up to 100m
Baffle Configuration	Full Height & Half Height
Power Consumption	5.0W
System Support	Windows XP/Vista/7/8/8.1/10/11
	Windows Server 2003 R2/ 2008 R2/ 2012 R2/ 2016 R2/2019 R2/2022 R2
	Linux Stable Kernel version 2.6.x/3.x/4.x or Later
	Linux CentOS/RHEL 6.5 / 7.x or Later
	Ubuntu 14.x/15.x/16.x or Later
	FreeBSD 9 / 10 / 11 or Later
	VMware ESX/ESXi 2.6.x/3.x/4.x/5.x or Later
Bus Type	PCIe v2.1 x4, Compatible with x8 , x16
Data Rate Supported Per Port	10/100/1000Mbps
Connector	4*1G RJ-45
Technical Features	
Standards Compliant	IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3z
PXE	Yes
iSCSI	No
FCoE	No
DPDK	Yes
WoL	No
Jumbo Frame	Yes
PCI-SIG* SR-IOV	Yes
VMDq	Yes
Environmental Features	
Operating Temperature	0 °C to 55 °C (32 °F to 131 °F)
Storage Temperature	-40 °C to 85 °C (-40 °F to 185 °F)
Storage Humidity	Maximum: 90% Non-Condensing Relative Humidity at 35 °C
LED Indicators	

<b>Status Indication</b>	1000Mbps, Orange Bright + Green Flashing
	100Mbps, Green Bright + Green Flashing
	10Mbps, Green Flashing
<b>Physical Features</b>	
<b>PCB Size (mm)</b>	**1.6

## About AddOn Networks

In 1999, AddOn Networks entered the market with a single product. Our founders fulfilled a severe shortage for compatible, cost-effective optical transceivers that compete at the same performance levels as leading OEM manufacturers. Adhering to the idea of redefining service and product quality not previously had in the fiber optic networking industry, AddOn invested resources in solution design, production, fulfillment, and global support.

Combining one of the most extensive and stringent testing processes in the industry, an exceptional free tech support center, and a consistent roll-out of innovative technologies, AddOn has continually set industry standards of quality and reliability throughout its history.

Reliability is the cornerstone of any optical fiber network and is ingrained in AddOn's DNA. It has played a key role in nurturing the long-term relationships developed over the years with customers. AddOn remains committed to exceeding industry standards with certifications from ranging from NEBS Level 3 to ISO 9001:2005 with every new development while maintaining the signature reliability of its products.



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