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Overview

652503-B21 is the HPE Ethernet 10Gb 2-port 530SFP Adapter. The HPE Ethernet 10Gb Adapters are ideal for high performance computing, server virtualization, security, server consolidation, and other applications requiring highest throughput.

Quick Spec

Table 1 shows the quick spec.

Model	652503-B21
Description	HPE Ethernet 10Gb 2-port 530SFP Adapter
Quick install card	√
Product warranty statement	√
Low profile bracket	√
Network Processor	Marvell 57810S (FastLinQ 3400)
Data Rate	2 port, each at 20 Gb bi-directional, 40 Gb bi-directional per adapter
Bus Type	PCIe 2.0X8
Form Factor	Stand up
Servers Support	HPE ProLiant DL360 Gen9/Gen10 HPE ProLiant DL380 Gen9/Gen10 HPE Apollo 4200 Gen9 Server HPE ProLiant DL20 Gen9 HPE ProLiant ML30 Gen9 HPE ProLiant DL20 Gen10 HPE ProLiant DL120 Gen10 HPE ProLiant DL160 Gen10 HPE ProLiant DL180 Gen10 HPE ProLiant DL385 Gen10 HPE ProLiant DL560 Gen10 HPE ProLiant DL580 Gen10 HPE ProLiant DL325 Gen10 HPE ProLiant ML30 Gen10 HPE ProLiant ML110 Gen10 HPE ProLiant ML350 Gen10 HPE Apollo 2000 - XL170r Gen10 HPE Apollo 2000 - XL190r Gen10 HPE Apollo 4500 - XL450 Gen10 HPE Apollo 6500 - XL270d Gen9

Supported Platforms

Table 2 shows the recommended servers.

SKU	Description
826682-B21	HPE ProLiant DL380 Gen9 E5-2620v4 2.1GHz 8-core 1P 16GB-R P440ar 8SFF 500W PS Base Server
867448-S01	HPE ProLiant DL380 Gen9 E5-2620v4 1P 16GB-R P440ar 8SFF 500W PS Server/S-Buy
848774-B21	HPE ProLiant DL380 Gen9 E5-2630v4 2.2GHz 10-core 1P 16GB-R P440ar 8SFF 500W PS Base Server
850519-S01	HPE ProLiant DL380 Gen9 E5-2650v4 1P 32GB-R P440ar 8SFF 2x500W PS Server/SB
826684-B21	HPE ProLiant DL380 Gen9 E5-2650v4 2.2GHz 12-core 2P 32GB-R P440ar 8SFF 2x10Gb 2x800W Perf Server

867449-S01	HPE ProLiant DL380 Gen9 E5-2620v4 1P 16GB-R P840ar 12LFF 2x800W PS Server/S-Buy
826683-B21	HPE ProLiant DL380 Gen9 E5-2620v4 2.1GHz 8-core 1P 16GB-R P840ar 12LFF 2x800W PS Base Server
850517-S01	HPE ProLiant DL380 Gen9 E5-2609v4 1P 8GB-R H240ar 8SFF 500W PS Server/SB
875668-425	HPE ProLiant DL380 Gen10 4110 1P 16GB-R P408i-a 8SFF 500W DVD PS Server/TV
875760-S01	HPE ProLiant DL380 Gen10 4110 1P 16GB-R P408i-a 8SFF 1x500W PS Server/S-Buy
P06420-B21	HPE ProLiant DL380 Gen10 4110 1P 16GB-R P408i-a 8SFF 500W PS Performance Server
P05524-B21	HPE ProLiant DL380 GEN10 4110 1P 16GB-R P408i-a 8SFF 500W RPS SOLUTION SERVER
P06421-B21	HPE ProLiant DL380 Gen10 4114 1P 32GB-R P408i-a 8SFF 800W PS Performance Server
826565-B21	HPE ProLiant DL380 Gen10 4114 1P 32GB-R P408i-a 8SFF 500W PS Base Server
875761-S01	HPE ProLiant DL380 Gen10 5115 1P 16GB-R P408i-a 8SFF 1x500W PS Server/S-Buy
875759-S01	HPE ProLiant DL380 Gen10 4112 1P 16GB-R P408i-a 8LFF 1x500W PS Server/S-Buy
867961-B21	HPE ProLiant DL360 Gen10 3106 85W 1P 16G-2R S100i 8SFF 1x500W Entry Server
875838-425	HPE ProLiant DL360 Gen10 4110 85W 1P 16G-2R P408i-a 8SFF 1x500W Server/TV
874457-S01	HPE ProLiant DL360 Gen10 4110 85W 1P 16G-2R P408i-a 8SFF 1x500W Server/S-Buy
P06453-B21	HPE ProLiant DL360 Gen10 4110 85W 1P 16G-R P408i-a 8SFF 1x500W PS Performance Server
P05520-B21	HPE ProLiant DL360 Gen10 4110 85W 1P 16GB-R P408i-a 8SFF 500W RPS Solution Server
867962-B21	HPE ProLiant DL360 Gen10 4114 85W 1P 16G-2R P408i-a 8SFF 1x500W Base Server
867447-S01	HPE ProLiant DL360 Gen9 E5-2620v4 1P 16GB-R P440ar 8SFF 500W PS Server/S-Buy
818208-B21	HPE ProLiant DL360 Gen9 E5-2630v4 1P 16GB-R P440ar 8SFF 500W PS Base SAS Server

Compare to Similar Item

Table 3 shows the comparison.

Model	817749-B21	652503-B21
Description	HPE Ethernet 10/25Gb 2-port 640FLR-SFP28 Adapter	HPE Ethernet 10Gb 2-port 530SFP Adapter
Quick install card	√	√
Product warranty statement	√	√
Low profile bracket	×	√
Network Processor	Mellanox ConnectX-4 Lx (MCX4121A-ACAT)	Marvell 57810S (FastLinQ 3400)
Data Rate	2 port, each at 50 Gb bi-directional, 100 Gb bi-directional per adapter	2 port, each at 20 Gb bi-directional, 40 Gb bi-directional per adapter
Bus Type	PCIe 3.0X8	PCIe 2.0X8
Form Factor	FlexibleLOM	Stand up

Servers Support	HPE ProLiant DL360 Gen9/Gen10 HPE ProLiant DL380 Gen9/Gen10 HPE Apollo 4200 Gen9 Server HPE ProLiant DL120 Gen10 HPE ProLiant DL160 Gen10 HPE ProLiant DL180 Gen10 HPE ProLiant DL325 Gen10 HPE ProLiant DL385 Gen10 HPE ProLiant DL560 Gen10 HPE ProLiant DL580 Gen10 HPE Apollo 2000 - XL170r Gen10 HPE Apollo 2000 - XL190r Gen10 HPE Apollo 4500 - XL450 Gen10 HPE Apollo 6500 – XL270d Gen10	HPE ProLiant DL360 Gen9/Gen10 HPE ProLiant DL380 Gen9/Gen10 HPE Apollo 4200 Gen9 Server HPE ProLiant DL20 Gen9 HPE ProLiant ML30 Gen9 HPE ProLiant DL20 Gen10 HPE ProLiant DL120 Gen10 HPE ProLiant DL160 Gen10 HPE ProLiant DL180 Gen10 HPE ProLiant DL385 Gen10 HPE ProLiant DL560 Gen10 HPE ProLiant DL580 Gen10 HPE ProLiant DL325 Gen10 HPE ProLiant ML30 Gen10 HPE ProLiant ML110 Gen10 HPE ProLiant ML350 Gen10 HPE Apollo 2000 - XL170r Gen10 HPE Apollo 2000 - XL190r Gen10 HPE Apollo 4500 - XL450 Gen10 HPE Apollo 6500 - XL270d Gen9
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Get More Information

Do you have any question about the 652503-B21?

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Specification

652503-B21 Specification	
Environmental Parameters	
Min Operating Temperature	32 °F
Max Operating Temperature	131 °F
Humidity Range Operating	10 - 95% (non-condensing)
Header	
Compatibility	PC
Manufacturer	Hewlett-Packard
Packaged Quantity	1
Product Line	HPE
Model	530SFP+
Brand	HPE
Interface Provided	
Type	10Gb Ethernet
Interface	10Gb Ethernet
Qty	2
Connector Type	SFP+
Interface Required	
Type	None
Miscellaneous	

652503-B21 Specification

Compliant Standards	BSMI CNS 13438 Class A, EN 61000-3-2, EN 61000-3-3, EN55022 Class A, EN55024, FCC Class A certified, FCC Part 15, ICES, RoHS 6/6, UL, VCCI V-3 Class A ITE, WEEE
Included Accessories	Full-height bracket, Low-profile bracket
Networking	
Type	Network adapter
Form Factor	Plug-in card
Connectivity Technology	Wired
Data Transfer Rate	10 Gbps
Data Link Protocol	10 Gigabit Ethernet
Remote Management Protocol	SNMP
Compliant Standards	IEEE 802.1AX, IEEE 802.1Qau, IEEE 802.1Qaz, IEEE 802.1Qbb, IEEE 802.1Qbg, IEEE 802.1Qbh, IEEE 802.3, IEEE 802.3ad (LACP)
Status Indicators	Link/activity, Port status
Ports Qty	2
Features	IPv6 support, Jumbo Frames support, Large Send Offload (LSO), PXE support, Receive Side Scaling (RSS), TCP Segmentation Offload (TSO), Teaming support
Interface Type	PCI Express 3.0 x8
PCI Specification Revision	PCIe 3.0
Low Profile	Low profile
Ports	
Qty	2
Type	10Gb Ethernet
Power Device	
Type	None
Processor	
Type	BCM57810S
Installed Qty	1
Manufacturer	Broadcom
RAM	
Installed Size	256 MB
Slot Required	
Type	PCI Express 3.0 x8
Total Qty	1
System Requirements	

652503-B21 Specification

Min Operating System	Microsoft Windows HPC Server 2008, Microsoft Windows Server 2008 (32/64-bits), Microsoft Windows Server 2008 R2, Oracle Solaris 10, Red Hat Enterprise Linux 5.7, Red Hat Enterprise Linux 6.1, SuSE Linux Enterprise Server 10, SuSE Linux Enterprise Server 11
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