

# 727055-B21 Datasheet



## Overview

[727055-B21](#) is the HPE Ethernet 10Gb 2-port 562SFP+ Adapter. The HPE Ethernet 10Gb 2-port 562SFP+ Adapter features the latest Intel controller. It is a low-cost, low-power dual port PCIe v3.0 x8 adapter designed for HPE ProLiant servers. The HPE 562SFP+ addresses the demanding needs of the next-generation data center by providing unmatched features for virtualization and scalability that complement the HPE server platform. The HPE 562SFP+ comes with both low profile and standard brackets and has two SFP+ cages that enable connections with DACs as well as SR fiber optic modules. The HPE 562SFP+ adapter supports SR-IOV and high performance networking features such as VLAN tagging, low latency interrupts, TCP and UDP checksum offloading, MSI-X, NIC teaming (bonding), Receive Side Scaling (RSS), jumbo frames, and PXE boot.

## Quick Spec

Figure 1 shows the appearance of 727055-B21.



Table 1 shows the quick spec.

<b>Model</b>	727055-B21
<b>Description</b>	HPE Ethernet 10Gb 2-port 562SFP+ Adapter
<b>Network Processor</b>	Intel® X710 Controller
<b>Data Rate</b>	Two ports, each at 20 Gb/s bi-directional; 40 Gb/s aggregate bi-directional theoretical bandwidth.
<b>Onboard Memory</b>	256 MB
<b>Bus type</b>	PCI Express 3.0 at 8 GT/s x8
<b>Form Factor</b>	Standard and low profile adapter compliant with the PCIe standard
<b>IEEE Compliance</b>	802.3, 802.1ab, 802.3x, 802.3ad, 802.3p, 802.1q, 802.3ae, 802.1au, 802.3ap, 802.1as, 802.3ak, 802.1qaz, 802.1Qbb

<b>Compatibility - Supported Servers</b>	<p>HPE DL160 Gen9 Server  HPE ProLiant DL360 Gen9 Server  HPE ProLiant DL360 Gen10 Server  HPE ProLiant DL380 Gen9 Server  HPE ProLiant DL380 Gen10 Server  HPE ProLiant DL385 Gen10 Server  HPE ProLiant DL560 Gen9 Server  HPE ProLiant DL580 Gen9 Server  HPE ProLiant ML110 Gen9 Server  HPE ProLiant ML150 Gen9 Server  HPE ProLiant ML350 Gen9 Server  HPE Apollo 2000 XL170r Gen9 Server  HPE Apollo 2000 XL190r Gen9 Server  HPE Apollo 4200 Gen9 Server  HPE Apollo 4500 - XL450 Gen9 Server  HPE Apollo 6000 - XL230a Gen9 Server  HPE Apollo 6000 - XL250a Gen9 Server  HPE Apollo 6000 - XL260a Gen9 Server  HPE Apollo 6000 - XL270d Gen9 Server  HPE Apollo 6500 - XL270d Gen10 Server  NOTE: This is a list of supported servers. Some may be discontinued.</p>
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## Supported Platforms

Figure 2 shows the front panel of 727055-B21.



Table 2 shows the recommended servers.

Model	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

# Specification

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<b>Network Processor</b>	Intel® X710 Controller

<b>Data Rate</b>	Two ports, each at 20 Gb/s bi-directional; 40 Gb/s aggregate bi-directional theoretical bandwidth.
<b>Onboard Memory</b>	256 MB
<b>Bus type</b>	PCI Express 3.0 at 8 GT/s x8
<b>Form Factor</b>	Standard and low profile adapter compliant with the PCIe standard
<b>IEEE Compliance</b>	802.3, 802.1ab, 802.3x, 802.3ad, 802.3p, 802.1q, 802.3ae, 802.1au, 802.3ap, 802.1as, 802.3ak, 802.1qaz, 802.1Qbb
<b>Compatibility - Supported Servers</b>	<p>HPE DL160 Gen9 Server  HPE ProLiant DL360 Gen9 Server  HPE ProLiant DL360 Gen10 Server  HPE ProLiant DL380 Gen9 Server  HPE ProLiant DL380 Gen10 Server  HPE ProLiant DL385 Gen10 Server  HPE ProLiant DL560 Gen9 Server  HPE ProLiant DL580 Gen9 Server  HPE ProLiant ML110 Gen9 Server  HPE ProLiant ML150 Gen9 Server  HPE ProLiant ML350 Gen9 Server  HPE Apollo 2000 XL170r Gen9 Server  HPE Apollo 2000 XL190r Gen9 Server  HPE Apollo 4200 Gen9 Server  HPE Apollo 4500 - XL450 Gen9 Server  HPE Apollo 6000 - XL230a Gen9 Server  HPE Apollo 6000 - XL250a Gen9 Server  HPE Apollo 6000 - XL260a Gen9 Server  HPE Apollo 6000 - XL270d Gen9 Server  HPE Apollo 6500 - XL270d Gen10 Server</p> <p>NOTE: This is a list of supported servers. Some may be discontinued.</p>
<b>Power</b>	10W typical, 10.8W maximum
<b>Temperature - Operating</b>	0° to 55°C (32° to 131°F)
<b>Humidity - Operating</b>	5% to 95% non-condensing
<b>Emissions Classification</b>	Class B
<b>Agency Approvals</b>	<p>USA: FCC Part 15 Class B  Canada: ICES-003, Issue 5  Japan: VCCI 2011-04 Class B  International: EN55022:2010 + Class B, EN55024:2010; EN61000-3-2:2006, EN61000-3-3:2008  Taiwan: BSMI, CNS13438 (2006) Class B  Australia/New Zealand (AS/NZS): AS/NZS CISPR 22: 2009+A1:2010 Class  Korea: KN22 Class B, KN24</p>
<b>RoHS Compliance</b>	5 of 6
<b>Safety</b>	<p>UL Mark (USA and Canada)  CE Mark  EN 605901 2nd edition</p>

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