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## Overview

HPE Enterprise Solid State Drives (SSDs) deliver exceptional performance and endurance while reducing power consumption for customers with applications requiring high random read and write IOPs performance. You can prevent data loss and monitor the SSD life with HPE SmartSSD Wear Gauge compatibility in management tools.

Leveraging NAND Flash technology, they support HPE ProLiant servers including Gen9 and server storage platforms. Because they are available as Small Form Factor (SFF) and Large Form Factor (LFF) hot plug devices, non-hot plug SFF devices, and SFF Quick Release devices, you have great flexibility in your installation. These drives deliver higher performance, better latency, and more power-efficient solutions when compared with traditional rotating media (HDDs). Plus they fit seamlessly into the existing HPE server infrastructure.

## Quick Specs

Table 1 shows the Quick Specs.

<b>Product Code</b>	832414-B21
<b>Description</b>	HPE 480GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Warranty SSD
<b>Product Type</b>	Solid State Drive
<b>Storage Capacity</b>	480 GB
<b>Drive Interface</b>	SATA
<b>Drive Interface Standard</b>	SATA/600
<b>Drive Type</b>	Internal
<b>Drive Width</b>	2.5"
<b>Height</b>	5.5"
<b>Width</b>	7.3"
<b>Depth</b>	8.8"
<b>Device Supported</b>	Server

## Compare to Similar Items

Table 2 shows the comparison of 832414-B21, H6G41A, H6G52A and H6G60A.

Product Code	832414-B21	<a href="#">H6G41A</a>	<a href="#">H6G52A</a>	<a href="#">H6G60A</a>
<b>Description</b>	HPE 480GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Warranty SSD	XP7 600GB 10K 2.5 inch SAS Hard Drive	XP7 600GB 10K 3.5 inch SAS Hard Drive	XP7 400GB 2.5 inch SAS SSD
<b>Product Type</b>	Solid State Drive	Hard Drive	Hard Drive	Solid State Drive
<b>Storage Capacity</b>	480 GB	600 GB	600 GB	400 GB
<b>Drive Interface</b>	SATA	SAS	SAS	SAS
<b>Drive Interface Standard</b>	SATA/600	6Gb/s SAS	6Gb/s SAS	6Gb/s SAS
<b>Device Supported</b>	Server	Storage System	Storage System	Storage System

## Get More Information

Do you have any question about the 832414-B21?

## Specification

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<b>832414-B21 Specification</b>	
Bay Required	
Type	Hot-swap
Form Factor	2.5 SFF
Total Qty	1
Form Factor (metric)	6.4 cm SFF
Dimensions & Weight	
Height	0.6 in
Environmental Parameters	
Min Operating Temperature	32 °F
Max Operating Temperature	140 °F
Hard Drive	
Form Factor	2.5 SFF
Bytes per Sector	512
Data Transfer Rate	600 MBps
Internal Data Rate	535 MBps
Hard Drive Type	Hot-swap hard drive
Form Factor (Short)	2.5
Interface	Serial ATA-600
Internal Data Rate (Write)	380 MBps
Form Factor (metric)	6.4 cm SFF
Form Factor (Short) (metric)	6.4 cm
4KB Random Read	64000 IOPS

## 832414-B21 Specification

4KB Random Write	26000 IOPS
Storage Interface	Serial ATA-600
Header	
Compatibility	PC
Manufacturer	Hewlett-Packard
Packaged Quantity	1
Product Line	HPE Mixed Use-2
Bundled with	HP SmartDrive carrier
Brand	HPE
Interface Provided	
Qty	1
Storage Interface	Serial ATA-600
Miscellaneous (CDW)	
Compatible With	HPE ProLiant DL120 Gen9, HPE ProLiant DL120 Gen9 Entry, HPE ProLiant DL160 Gen8, HPE ProLiant DL160 Gen8 Base, HPE ProLiant DL160 Gen8 Entry, HPE ProLiant DL160 Gen8 Performance, HPE ProLiant DL160 Gen9, HPE ProLiant DL160 Gen9 Base, HPE ProLiant DL160 Gen9 Entry, HPE ProLiant DL160 Gen9 Performance, HPE ProLiant DL180 Gen9, HPE ProLiant DL180 Gen9 Base, HPE ProLiant DL180 Gen9 Entry, HPE ProLiant DL180 Gen9 Storage, HPE ProLiant DL320e Gen8, HPE ProLiant DL320e Gen8 Base, HPE ProLiant DL320e Gen8 Entry, HPE ProLiant DL320e Gen8 Performance, HPE ProLiant DL320e Gen8 Special Server, HPE ProLiant DL320e Gen8 v2, HPE ProLiant DL320e Gen8 v2 Base, HPE ProLiant DL320e Gen8 v2 Entry, HPE ProLiant DL320e Gen8 v2 Performance, HPE ProLiant DL360 Gen9, HPE ProLiant DL360 Gen9 Base, HPE ProLiant DL360 Gen9 CMS, HPE ProLiant DL360 Gen9 Entry, HPE ProLiant DL360 Gen9 Performance, HPE ProLiant DL360 Gen9 Special Server, HPE ProLiant DL360e Gen8, HPE ProLiant DL360e Gen8 Base, HPE ProLiant DL360e Gen8 Entry, HPE ProLiant DL360e Gen8 Performance, HPE ProLiant DL360e Gen8 Special Server, HPE ProLiant DL360p Gen8, HPE ProLiant DL360p Gen8 Base, HPE ProLiant DL360p Gen8 CMS, HPE ProLiant DL360p Gen8 Entry, HPE ProLiant DL360p Gen8 High Performance, HPE ProLiant DL360p Gen8 Performance, HPE ProLiant DL360p Gen8 Special Server, HPE ProLiant DL380 Gen9, HPE ProLiant DL380 Gen9 Base, HPE ProLiant DL380 Gen9 Entry, HPE ProLiant DL380 Gen9 High Performance, HPE ProLiant DL380 Gen9 Performance, HPE ProLiant DL380e Gen8, HPE ProLiant DL380e Gen8 Base, HPE ProLiant DL380e Gen8 Entry, HPE ProLiant DL380e Gen8 High Performance, HPE ProLiant DL380e Gen8 Storage, HPE ProLiant DL380p Gen8, HPE ProLiant DL380p Gen8 Base, HPE ProLiant DL380p Gen8 Entry, HPE ProLiant DL380p Gen8 High Performance, HPE ProLiant DL380p Gen8 Performance, HPE ProLiant DL380p Gen8 Special, HPE ProLiant DL385p Gen8, HPE ProLiant DL385p Gen8 Dedicated Workload, HPE ProLiant DL385p Gen8 Entry, HPE ProLiant DL385p Gen8 Maximized Consolidation, HPE ProLiant DL385p Gen8 Storage, HPE ProLiant DL385p Gen8 Storage Centric, HPE ProLiant DL388 Gen9, HPE ProLiant DL388 Gen9 Base, HPE ProLiant DL580 Gen9, HPE ProLiant DL580 Gen9 Database, HPE ProLiant DL60 Gen9, HPE ProLiant DL60 Gen9 Base, HPE ProLiant DL60 Gen9 Entry, HPE ProLiant DL80 Gen9, HPE ProLiant DL80 Gen9 Base, HPE ProLiant DL80 Gen9 Entry, HPE ProLiant ML110 Gen9, HPE ProLiant ML110 Gen9 Base, HPE ProLiant ML110 Gen9 Entry, HPE ProLiant ML150 Gen9, HPE ProLiant ML150 Gen9 Base, HPE ProLiant ML150 Gen9 Entry, HPE ProLiant ML150 Gen9 Performance, HPE ProLiant ML310e Gen8, HPE ProLiant ML310e Gen8 Base, HPE ProLiant ML310e Gen8 Entry, HPE ProLiant ML310e Gen8 Performance, HPE ProLiant ML310e Gen8 v2, HPE ProLiant ML310e Gen8 v2 Base, HPE ProLiant ML310e Gen8 v2 Entry, HPE ProLiant ML310e Gen8 v2 Performance, HPE ProLiant XL230a Gen9 Compute Tray, HPE ProLiant XL230a Gen9 Compute Tray (12G), HPE ProLiant XL230a Gen9 Compute Tray (6G), HPE ProLiant XL250a Gen9 Accelerator Tray
Power Consumption	
Value	9 Watt
Service	
Support Details Type	Limited warranty
Support Details Full Contract Period	3 years
Service & Support	

## 832414-B21 Specification

Type	3 years warranty
Storage	
Type	Solid state drive
Storage Hard Drive	
Capacity	480 GB
Features	Power Loss support

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