



Hewlett Packard
Enterprise

HPE 2520 Switch Series - Product Information Reference

Part Number:

Published:

Edition:

HPE 2520 Switch Series - Product Information Reference

Abstract

Part Number:
Published:
Edition:

© Copyright –

Notices

The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Confidential computer software. Valid license from Hewlett Packard Enterprise required for possession, use, or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Links to third-party websites take you outside the Hewlett Packard Enterprise website. Hewlett Packard Enterprise has no control over and is not responsible for information outside the Hewlett Packard Enterprise website.

Acknowledgments

Intel®, Itanium®, Optane™, Pentium®, Xeon®, Intel Inside®, and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries.

AMD and the AMD EPYC™ and combinations thereof are trademarks of Advanced Micro Devices, Inc.

Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Adobe® and Acrobat® are trademarks of Adobe Systems Incorporated.

Java® and Oracle® are registered trademarks of Oracle and/or its affiliates.

UNIX® is a registered trademark of The Open Group.

All third-party marks are property of their respective owners.

Revision history

Part number	Publication date	Edition	Summary of changes

HP 2520-8-PoE Switch (J9137A)

Table 1. Physical specifications for the HP 2520-8-PoE Switch

Feature	Description
Dimensions(d)*(w)*(h)	<ul style="list-style-type: none">15.95 x 25.4 x 4.45 cm (6.28 x 10 x 1.75 in) (1U height)
Weight	<ul style="list-style-type: none">1.64 kg (3.62 lb) including power adapter and power cord
Mounting	<ul style="list-style-type: none">Mounts in an EIA-standard 19-inch telco rack or equipment cabinet (rack-mounting kit available); horizontal surface mounting; wall mounting

Table 2. Environmental specifications for the HP 2520-8-PoE Switch

Feature	Description
Operating temperature	<ul style="list-style-type: none">0°C to 45°C (32°F to 113°F)
Operating relative humidity	<ul style="list-style-type: none">15% to 95% @ 40°C (104°F), non-condensing
Non-operating/Storage temperature	<ul style="list-style-type: none">-40°C to 70°C (-40°F to 158°F)
Non-operating/Storage relative humidity	<ul style="list-style-type: none">15% to 95% @ 65°C (149°F), non-condensing
Altitude	<ul style="list-style-type: none">up to 3 km (10,000 ft)
Acoustic	<ul style="list-style-type: none">Power: 0 dB, Pressure: 0 dB

Table 3. Power specifications for the HP 2520-8-PoE Switch

Feature	Description
Description	<ul style="list-style-type: none"> Use only the external power adapter module (5070-6082, PA1 AC adapter) supplied with this product
Maximum heat dissipation	<ul style="list-style-type: none"> 91.79 kJ/hr (87 BTU/hr)
Voltage	<ul style="list-style-type: none"> 100-240 Vac
Current	<ul style="list-style-type: none"> 1.5 A
Idle power	<ul style="list-style-type: none"> 9.4 W
Maximum power rating	<ul style="list-style-type: none"> 85.5 W
PoE power	<ul style="list-style-type: none"> 67 W
Frequency	<ul style="list-style-type: none"> 50 / 60 Hz
Notes	<ul style="list-style-type: none"> Idle power is the actual power consumption of the device with no ports connected. Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated. PoE Power is the total power budget available to all PoE ports.

Table 4. Technical specifications for the HP 2520-8-PoE Switch

Feature	Description
Processor	<ul style="list-style-type: none"> Freescale PowerPC 8313 @ 266 MHz
Memory	<ul style="list-style-type: none"> 32MB flash, 128MB DDR2 SDRAM; packet buffer size: 384KB dynamically allocated

Feature	Description
Performance	<ul style="list-style-type: none"> • 100Mb Latency < 1.9 s (LIFO 64-byte packets) • 1000Mb Latency < 1.5 s (LIFO 64-byte packets) • Throughput 4.1 million pps • Switching capacity 5.6 Gbps • MAC address table size 8000 entries
Ports	<ul style="list-style-type: none"> • 8 RJ-45 auto-sensing 10/100 PoE ports <ul style="list-style-type: none"> ◦ IEEE 802.3 Type 10Base-T ◦ IEEE 802.3u Type 100Base-TX ◦ IEEE 802.3af PoE • Media Type : <ul style="list-style-type: none"> ◦ Auto-MDIX ◦ Duplex: half or full • 2 dual-personality ports. Each port can be used as either an <ul style="list-style-type: none"> ◦ RJ-45 10/100/1000 port (IEEE 802.3 Type 10Base-T; IEEE 802.3u Type 100Base-TX; IEEE 802.3ab 1000Base-T Gigabit Ethernet) ◦ OR as a SFP slot (for use with SFP transceivers) • 1 RJ-45 serial console port
Mounting	<ul style="list-style-type: none"> • Mounts in an EIA-standard 19-inch telco rack or equipment cabinet (rack-mounting kit available); horizontal surface mounting; wall mounting