

Overview

The HPE FlexNetwork 5510 HI Switch Series delivers outstanding resiliency, security, and multiservice support for medium and large enterprise networks. JH145A supports 24 10/100/1000Base-T autosensing Ethernet ports and 4 SFP+ ports.

Quick Spec

Figure 1 shows the appearance of HPE JH145A.

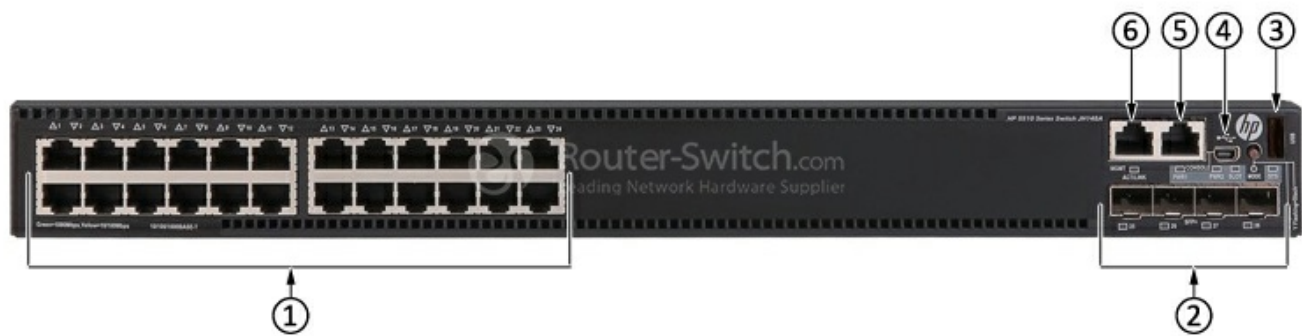


Table 1 shows the quick spec.

|                            |                                                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Code               | JH145A                                                                                                                                                                                                                                                                                                                                                                                                        |
| Type                       | HPE FlexNetwork 5510 24G 4SFP+ HI 1-slot Switch                                                                                                                                                                                                                                                                                                                                                               |
| I/O ports and slots        | 24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T)<br>Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only; Ports 1 - 8 support MACSec<br>4 SFP+ 10GbE ports<br>1 port expansion module slot<br>Supports a maximum of 6 SFP+ ports or 2 1/10GBASE-T ports or 2 40GbE ports, with optional module |
| Additional ports and slots | 1 dual-personality (RJ-45 or USB micro-B) serial console port<br>1 RJ-45 out-of-band management port<br>1 USB 2.0                                                                                                                                                                                                                                                                                             |
| 1000 Mb Latency            | < 5 $\mu$ s                                                                                                                                                                                                                                                                                                                                                                                                   |
| 10 Gbps Latency            | < 3 $\mu$ s                                                                                                                                                                                                                                                                                                                                                                                                   |
| Throughput                 | up to 214 Mp/s                                                                                                                                                                                                                                                                                                                                                                                                |
| Routing/Switching capacity | 288 Gb/s                                                                                                                                                                                                                                                                                                                                                                                                      |
| Routing table size         | IPv4 : 32768 entries<br>IPv6 : 16384 entries                                                                                                                                                                                                                                                                                                                                                                  |
| MAC address table size     | 32768 entries                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dimensions (W x D x H)     | 44.00 x 36.00 x 4.37 cm (17.32 x 14.17 x 1.72 in)                                                                                                                                                                                                                                                                                                                                                             |
| Weight                     | 7.5 kg (16.53 lb)                                                                                                                                                                                                                                                                                                                                                                                             |

Product Details

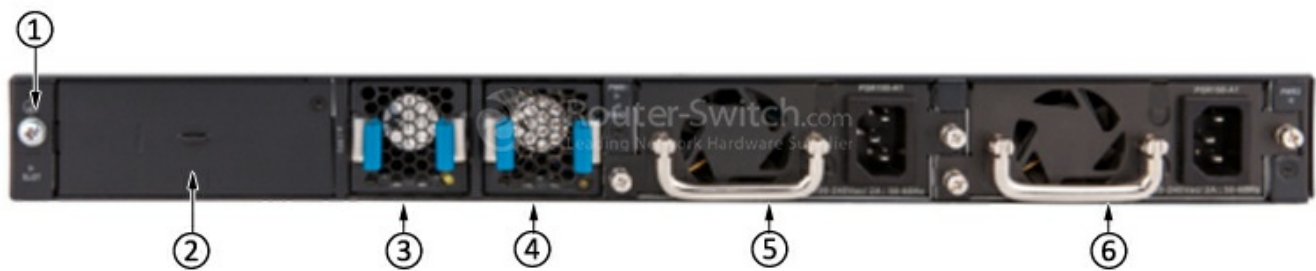
Figure 2 shows the front panel of HPE JH145A.



Note:

|     |                                                  |
|-----|--------------------------------------------------|
| (1) | 24 × 10/100/1000Base-T autosensing Ethernet port |
| (2) | 4 × SFP+ port                                    |
| (3) | USB port                                         |
| (4) | Mini USB console port                            |
| (5) | Console port (CONSOLE)                           |
| (6) | Management Ethernet port                         |

Figure 3 shows the back panel of HPE JH145A.



Note:

|     |                           |
|-----|---------------------------|
| (1) | Grounding screw           |
| (2) | Interface card (optional) |
| (3) | Fan tray 1                |
| (4) | Fan tray 2                |
| (5) | Power supply 1            |
| (6) | Power supply 2 (optional) |

Compare to Similar Items

Table 2 shows the comparison.

| Product Code               | JH145A                                          | JH146A                                          | JH147A                                               | JH148A                                               | JH149A                                              |
|----------------------------|-------------------------------------------------|-------------------------------------------------|------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------|
| Type                       | HPE FlexNetwork 5510 24G 4SFP+ HI 1-slot Switch | HPE FlexNetwork 5510 48G 4SFP+ HI 1-slot Switch | HPE FlexNetwork 5510 24G PoE+ 4SFP+ HI 1-slot Switch | HPE FlexNetwork 5510 48G PoE+ 4SFP+ HI 1-slot Switch | HPE FlexNetwork 5510 24G SFP 4SFP+ HI 1-slot Switch |
| 1000 Mb Latency            | < 5 µs                                          | < 5 µs                                          | < 5 µs                                               | < 5 µs                                               | < 5 µs                                              |
| 10 Gbps Latency            | < 3 µs                                          | < 3 µs                                          | < 3 µs                                               | < 3 µs                                               | < 3 µs                                              |
| Throughput                 | up to 214 Mp/s                                  | up to 250 Mp/s                                  | up to 214 Mp/s                                       | up to 250 Mp/s                                       | up to 214 Mp/s                                      |
| Routing/Switching capacity | 288 Gb/s                                        | 336 Gb/s                                        | 288 Gb/s                                             | 336 Gb/s                                             | 288 Gb/s                                            |
| Routing table size         | IPv4 : 32768 entries<br>IPv6 : 16384 entries    | IPv4 : 32768 entries<br>IPv6 : 16384 entries    | IPv4 : 32768 entries<br>IPv6 : 16384 entries         | IPv4 : 32768 entries<br>IPv6 : 16384 entries         | IPv4 : 32768 entries<br>IPv6 : 16384 entries        |

Get more information

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Specification

| JH145A Specifications      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System specifications      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Type                       | HPE FlexNetwork 5510 24G 4SFP+ HI 1-slot Switch                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| I/O ports and slots        | <ul style="list-style-type: none"><li>· 24 RJ-45 autosensing 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T)</li><li>· Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only; Ports 1 - 8 support MACSec</li><li>· 4 SFP+ 10GbE ports</li><li>· 1 port expansion module slot</li><li>· Supports a maximum of 6 SFP+ ports or 2 1/10GBASE-T ports or 2 40GbE ports, with optional module</li></ul> |
| Additional ports and slots | <ul style="list-style-type: none"><li>· 1 dual-personality (RJ-45 or USB micro-B) serial console port</li><li>· 1 RJ-45 out-of-band management port</li><li>· 1 USB 2.0</li></ul>                                                                                                                                                                                                                                                                                                           |
| Performance                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 1000 Mb Latency            | < 5 µs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 10 Gbps Latency            | < 3 µs                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Throughput                 | up to 214 Mp/s                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Routing/Switching capacity | 288 Gb/s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Routing table size         | IPv4 : 32768 entries<br>IPv6 : 16384 entries                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| MAC address table size     | 32768 entries                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Physical specifications    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Dimensions (W x D x H)     | 44.00 x 36.00 x 4.37 cm (17.32 x 14.17 x 1.72 in)                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Weight                     | 7.5 kg (16.53 lb)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| Electrical specifications              |                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Frequency                              | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                       |
| Maximum heat dissipation               | 365 BTU/hr (385.08 kJ/hr), Ranges from 167 BTU/hr to 392 BTU/hr, depending on power supply configuration                                                                                                                                                                                                                                                                                                       |
| Voltage                                | 100 - 240 V ac, rated (90 - 264 Vac, max)<br>-48 to -60 V dc, rated (-36 to -72 V dc, max) (depending on power supply chosen)                                                                                                                                                                                                                                                                                  |
| Maximum power rating                   | 107 W                                                                                                                                                                                                                                                                                                                                                                                                          |
| Idle power                             | 55 W                                                                                                                                                                                                                                                                                                                                                                                                           |
| PoE power                              | NA                                                                                                                                                                                                                                                                                                                                                                                                             |
| Environmental specifications           |                                                                                                                                                                                                                                                                                                                                                                                                                |
| Operating temperature                  | 0°C to 45°C (32°F to 113°F)                                                                                                                                                                                                                                                                                                                                                                                    |
| Operating relative humidity            | 10% to 90%, noncondensing                                                                                                                                                                                                                                                                                                                                                                                      |
| Nonoperating/Storage temperature       | -40°C to 70°C (-40°F to 158°F)                                                                                                                                                                                                                                                                                                                                                                                 |
| Nonoperating/Storage relative humidity | 5% to 95%, noncondensing                                                                                                                                                                                                                                                                                                                                                                                       |
| Acoustic                               | Low-speed fan: 52.8 dB, High-speed fan: 66.7 dB<br>ISO 7779                                                                                                                                                                                                                                                                                                                                                    |
| Safety and emissions                   |                                                                                                                                                                                                                                                                                                                                                                                                                |
| Safety                                 | UL 60950-1<br>EN 60825-1 Safety of Laser Products-Part 1<br>EN 60825-2 Safety of Laser Products-Part 2<br>IEC 60950-1<br>EN 60950-1<br>CAN/CSA-C22.2 No. 60950-1<br>FDA 21 CFR Subchapter J<br>ROHS Compliance<br>AS/NZS 60950-1<br>GB 4943 EAC (EurAsian Conformity Certification)                                                                                                                            |
| Emissions                              | EMC Directive 2004/108/EC<br>FCC (CFR 47, Part 15) Class A<br>EN 61000-4-11:2004<br>ANSI C63.4-2009<br>EN 61000-3-3:2008<br>VCCI V-3/2012.04<br>EN 61000-3-2:2006+A1:2009+A2:2009<br>EN 61000-4-3:2006<br>EN 61000-4-4:2012; EN 61000-4-5:2006<br>EN 61000-4-6:2009<br>CISPR 22:2008 Class A<br>EN 55022:2010 Class A<br>EN 61000-4-29: 2000<br>CISPR 24:2010<br>EN 300 386 V1.6.1<br>VCCI V-3/2013.04 Class A |
| Immunity                               | Generic: EN 55024<br>ESD: EN300 386                                                                                                                                                                                                                                                                                                                                                                            |
| Management                             | IMC - Intelligent Management Center<br>Command-line interface<br>Web browser<br>SNMP manager                                                                                                                                                                                                                                                                                                                   |

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