

PHYSICAL INTERFACES

PoE models:

- 20 (24 ports models) or 44 (48 ports models) RJ-45 autosensing 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3at PoE+); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
- 4 RJ-45 dual-personality 10/100/1000 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T, IEEE 802.3at PoE+)

Non-PoE models:

- 20 (24 ports models) or 44 (48 ports models) 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); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
- 4 RJ-45 dual-personality 10/100/1000 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3ab Type 1000BASE-T)

All models:

- 2 module slots

ADDITIONAL PORTS AND SLOTS

1 stacking module slot

1 dual-personality (RJ-45 or USB micro-B)

1 USB 1.1

1 RJ-45 out-of-band management port

POWER SUPPLIES

1 power supply slot

1 minimum power supply required

Includes:

- 2920-24G (J9726A) & 2920-48G (J9728A):
1 x J9739A (HPE X331 165W 100-240VAC to 12VDC Modular Power Supply)
- 2920-24G-PoE+ (J9727A) & 2920-48G-PoE+ (J9729A):
1 x J9738A (HPE X332 575W 100-240VAC to 54VDC Modular Power Supply)
- 2920-48G-PoE+ 740W (J9836A):
1 x J9737A (HPE X332 1050W 110-240VAC to 54VDC Power Supply)

MEMORY AND PROCESSOR

Tri Core ARM1176 @ 625 MHz, 512 MB SDRAM

Packet buffer size: 11.25 MB (6.75 MB dynamic egress + 4.5 MB ingress)

1 GB flash

DIMENSIONS

2920-24G Switch (J9726A):

- (H) 4.45 cm x (W) 44.25 cm x (D) 33.60 cm (1.75" x 17.42" x 13.23") (1U height)
- Weight: 11.57 lb (5.25 kg)

2920-24G-PoE+ Switch (J9727A):

- (H) 4.39 cm x (W) 44.25 cm x (D) 33.60 cm (1.73" x 17.42" x 13.23") (1U height)
- Weight: 12.04 lb (5.46 kg)

2920-48G Switch (J9728A):

- (H) 4.39 cm x (W) 44.25 cm x (D) 33.60 cm (1.73" x 17.42" x 13.23") (1U height)
- Weight: 11.95 lb (5.42 kg)

2920-48G-PoE+ Switch (J9729A):

- (H) 4.39 cm x (W) 44.25 cm x (D) 33.60 cm (1.73" x 17.42" x 13.23") (1U height)
- Weight: 12.57 lb (5.7 kg)

2920-48G-PoE+ 740W Switch (J9836A):

- (H) 4.39 cm x (W) 44.25 cm x (D) 33.60 cm (1.73" x 17.42" x 13.23") (1U height)
- Weight: 12.86 lb (5.83 kg)

PERFORMANCE

IPv6 Ready Certified

100 Mb Latency: < 9.0 μ s (FIFO 64-byte packets)

10 Gbps Latency: < 3.2 μ s (FIFO 64-byte packets)

24 ports models:

- 1000 Mb Latency: < 3.3 μ s (FIFO 64-byte packets)
- Throughput: up to 95.2 Mpps
- Switching capacity: 128 Gbps

48 ports models:

- 1000 Mb Latency: < 3.2 μ s (FIFO 64-byte packets)
- Throughput: up to 130.9 Mpps
- Switching capacity: 176 Gbps

Routing table size: 2048 entries (IPv4), 256 entries (IPv6)

MAC address table size: 16000 entries

ENVIRONMENTAL

Operating temperature range: 0°C to 55°C (32°F to 131°F)

Operating relative humidity: 15% to 95%, noncondensing

Storage temperature range: -40°C to 70°C (-40°F to 158°F)

Storage humidity: 15% to 95%, non-condensing

Operating altitude: 10,000 feet (3km)

Acoustic: See data sheet

ELECTRICAL CHARACTERISTICS

Frequency: 50/60 Hz

Voltage: 100 - 240 VAC, rated (depending on power supply chosen)

Maximum heat dissipation: See data sheet

Current: See data sheet

Maximum power rating: See data sheet

Idle power: See data sheet

PoE power:

- 2920-24G-PoE+ Switch (J9727A) & 2920-48G-PoE+ Switch (J9729A):
370 W PoE+
- 2920-48G-PoE+ 740W Switch (J9836A):
740 W PoE+

Notes:

- 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.
- For PoE Models only: PoE power is the power supplied by the internal power supply. It is dependent on the type and quantity of power supplies and may be supplemented with the use of an external power supply (EPS). 370 W or 740 W of PoE+ power is available using the internal default power supply (where applicable).

SAFETY CERTIFICATIONS

CE Labeled; EN 60825-1 Safety of Laser Products-Part 1; FCC Part 15, Subpart B; GOST; EU RoHS Compliant; EN 55022 Class A; EN 55024: 1998; C-Tick; ICES-003, Class A; VCCI Class A; IEC 60950-1 :Second Edition ; IEC 60825-1; EN62479:2010; CSA C22.2 No. 60950-1-07 2nd Edition; EN 60950-1:2006+A11:2009+A1:2010+A12:2011; IEC 60950-1 (ed.2): am1

EMISSIONS

FCC part 15 Class A; VCCI Class A; EN 55022/CISPR 22 Class A

IMMUNITY

EN: EN 55024, CISPR 24

ESD: IEC 61000-4-2

Radiated: IEC 61000-4-3

EFT/Burst: IEC 61000-4-4

Surge: IEC 61000-4-5

Conducted: IEC 61000-4-6

Power frequency magnetic field: IEC 61000-4-8

Voltage dips and interruptions: IEC 61000-4-11

Harmonics: IEC 61000-3-2

Flicker: IEC 61000-3-3

MANAGEMENT AND MONITORING

Command line interface

Graphical user interface (Web browser)

AirWave network platform

IMC - Intelligent Management Center

Configuration menu

Out-of-band management (RJ-45 Ethernet)

SNMP manager

Telnet; RMON1; FTP

In-line and out-of-band;

Out-of-band management (serial RS-232c or micro usb)

WARRANTY AND SUPPORT

Limited lifetime warranty

See www.hpe.com/networking/warrantysummary for warranty and support information included with your product purchase.

Software releases

to find software for your product, refer to www.hpe.com/networking/support; for details on the software releases available with your product purchase, refer to www.hpe.com/networking/warrantysummary.