

PHYSICAL INTERFACES

1-slot switches:

- 24-48 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):
 - 24G 1-slot Switch (JL071A): 24 ports; Ports 1 - 24 support MACSec
 - 24G PoE+ 1-slot Switch (JL073A): 24 PoE+ ports (including IEEE 802.3at PoE+ support); Ports 1 - 24 support MACSec
 - 48G 1-slot Switch (JL072A): 48 ports; Ports 1 - 48 support MACSec
 - 48G PoE+ 1-slot Switch (JL074A): 48 PoE+ ports (including IEEE 802.3at PoE+ support); Ports 1 - 48 support MACSec
 - 40G 8 HPE Smart Rate PoE+ 1-slot Switch (JL076A):
 - 40 PoE+ ports (including IEEE 802.3at PoE+ support); Ports 1 - 48 support MACSec
 - 8 RJ-45 HP Smart Rate Multi-Gigabit ports; Ports 1 - 8 support MACSec
- Duplex: 10BASE-T/100BASE-TX: half or full
- Supports a maximum of 4 SFP+ ports or 1 (24G models) or 2 40GbE ports (all others), with optional module

2-slot switch, 16SFP+ 2-slot Switch (JL075A):

- 16 SFP+ fixed 1000/10000 SFP+ ports; Ports 1 - 16 support MACSec
- Duplex: 100BASE-TX: half or full
- Supports a maximum of 8 SFP+ ports or 2 40GbE ports, with optional module

1000BASE-T: full only (all models)

1 open module slot (all models)

ADDITIONAL PORTS AND SLOTS

1 stacking module slot

1 RJ-45 serial console port

1 RJ-45 out-of-band management port

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

POWER SUPPLIES

2 power supply slots

1 minimum power supply required (ordered separately)

MEMORY AND PROCESSOR

P2020 Dual Core @ 1.2 GHz, 4 GB DDR3 SDRAM, 1 GB SD Card

**Dual ARM Coretex A9 @ 1 GHz, 2 GB DDR3 SDRAM; Packet buffer size: 13.5 MB
Internal**

PERFORMANCE

IPv6 Ready Certified

1000 Mb Latency: < 2.8 μ s (FIFO 64-byte packets)

10 Gbps Latency: < 1.8 μ s (FIFO 64-byte packets)

40 Gbps Latency: < 1.5 μ s (FIFO 64-byte packets)

Routing table size: 10000 entries (IPv4), 5000 entries (IPv6)

MAC address table size: 64000 entries

Throughput:

- 24G 1-slot Switch (JL071A): up to 95.2 Mpps (64-byte packets)
- 48G 1-slot Switch (JL072A): up to 190.5 Mpps (64-byte packets)
- 24G PoE+ 1-slot Switch (JL073A): up to 95.2 Mpps (64-byte packets)
- 48G PoE+ 1-slot Switch (JL074A): up to 190.5 Mpps (64-byte packets)
- 16SFP+ 2-slot Switch (JL075A): up to 287.5 Mpps (64-byte packets)
- 40G 8 HPE Smart Rate PoE+ 1-slot Switch (JL076A): up to 273.8 Mpps (64-byte packets)

Routing/Switching capacity:

- 24G 1-slot Switch (JL071A): 160 Gbps
- 48G 1-slot Switch (JL072A): 320 Gbps
- 24G PoE+ 1-slot Switch (JL073A): 160 Gbps
- 48G PoE+ 1-slot Switch (JL074A): 320 Gbps
- 16SFP+ 2-slot Switch (JL075A): 480 Gbps
- 40G 8 HPE Smart Rate PoE+ 1-slot Switch (JL076A): 480 Gbps

Switch fabric speed:

- 24G 1-slot Switch (JL071A): 169 Gbps
- 48G 1-slot Switch (JL072A): 338 Gbps
- 24G PoE+ 1-slot Switch (JL073A): 169 Gbps
- 48G PoE+ 1-slot Switch (JL074A): 338 Gbps
- 16SFP+ 2-slot Switch (JL075A): 508 Gbps
- 40G 8 HPE Smart Rate PoE+ 1-slot Switch (JL076A): 508 Gbps

DIMENSIONS

(H) 4.39 cm x (W) 44.25 cm x (D) 43.13 cm (1.73" x 17.42" x 16.98") (1U height)

24G 1-slot Switch (JL071A): 5.79 kg (12.76 lb)

48G 1-slot Switch (JL072A): 5.99 kg (13.20 lb)

24G PoE+ 1-slot Switch (JL073A): 5.91 kg (13.02 lb)

48G PoE+ 1-slot Switch (JL074A): 6.18 kg (13.62 lb)

16SFP+ 2-slot Switch (JL075A): 6.02 kg (13.28 lb)

40G 8 HPE Smart Rate PoE+ 1-slot Switch (JL076A): 6.17 kg (13.61 lb)

INCLUDED ACCESSORIES

Switch ships with 1 JL088A fan tray installed. Spares ordered separately.

1 fan tray slot

MOUNTING AND ENCLOSURE

Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); Horizontal surface mounting only

ENVIRONMENTAL

Operating temperature range: 0° C to 45° C (32°F to 113°F)

Operating humidity: 15% to 95% @ 104°F (40°C), noncondensing

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

Storage humidity: 15% to 90% @ 65°C (149°F), non-condensing

Operating altitude: 10,000 feet

Acoustic noise:

- 24G 1-slot Switch (JL071A): Power: 39 dB, Pressure: 22.8 dB
- 48G 1-slot Switch (JL072A): Power: 38 dB, Pressure: 21.8 dB
- 24G PoE+ 1-slot Switch (JL073A): Power: 48 dB, Pressure: 30.7 dB
- 48G PoE+ 1-slot Switch (JL074A): Power: 42 dB, Pressure: 26 dB
- 16SFP+ 2-slot Switch (JL075A): Power: 39 dB, Pressure: 22.3 dB
- 40G 8 HPE Smart Rate PoE+ 1-slot Switch (JL076A): Power: 45 dB, Pressure: 27.9 dB

SAFETY CERTIFICATIONS

EN 60950/IEC 60950, UL 60950

CAN/CSA 22.2 No. 60950

EN 60825

24G 1-slot Switch (JL071A), additionally: UL 60950-1; CSA 22.2 60950-1; EN 60950-1:2006+A11:2009+A1:2010+A12:2011

EMISSIONS

FCC Class A; VCCI Class A; EN 55022/CISPR 22 Class A; EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011+A2:2013

IMMUNITY

Generic: EN55022: 2010

EN: EN55024: 2010

ESD: IEC 61000-4-2

Radiated: IEC 61000-4-3; 3 V/m

EFT/Burst: IEC 61000-4-4; 1.0 kV (power line), 0.5 kV (signal line)

Surge: IEC 61000-4-5; 1 kV/2 kV AC

Conducted: IEC 61000-4-6; 3 V

Power frequency magnetic field: IEC 61000-4-8; 1 A/m, 50 or 60 Hz

Voltage dips and interruptions: IEC 61000-4-11; >95% reductions, 0.5 period; 30% reduction, 25 periods

Harmonics: EN61000-3-2:2006 +A1:2009 +A2:2009 Class A

Flicker: EN61000-3-3:2008

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)

In-line and out-of-band

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

WARRANTY AND SUPPORT

Limited lifetime warranty (all models)

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

Software releases (all models)

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.