

PHYSICAL INTERFACES

2530-48G-PoE+ Switch (J9772A):

- 48 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+); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
- 4 fixed Gigabit Ethernet SFP ports

2530-24G-PoE+ Switch (J9773A):

- 24 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+); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
- 4 fixed Gigabit Ethernet SFP ports

2530-8G-PoE+ Switch (J9774A):

- 8 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+); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
- 2 dual-personality ports; each port can be used as either an 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)

2530-48-PoE+ Switch (J9778A):

- 48 RJ-45 autosensing 10/100 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3at PoE+); Media Type: Auto-MDIX; Duplex: half or full
- 2 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
- 2 fixed Gigabit Ethernet SFP ports

2530-24-PoE+ Switch (J9779A):

- 24 RJ-45 autosensing 10/100 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3at PoE+); Media Type: Auto-MDIX; Duplex: half or full
- 2 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
- 2 fixed Gigabit Ethernet SFP ports

2530-8-PoE+ Switch (J9780A):

- 8 RJ-45 autosensing 10/100 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3at PoE+); Media Type: Auto-MDIX; Duplex: half or full
- 2 dual-personality ports; each port can be used as either an 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) ports

2530-48G Switch (J9775A):

- 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); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
- 4 fixed Gigabit Ethernet SFP ports

2530-24G Switch (J9776A):

- 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); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
- 4 fixed Gigabit Ethernet SFP ports

2530-8G Switch (J9777A):

- 8 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); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
- 2 dual-personality ports; each port can be used as either an 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) ports

2530-48 Switch (J9781A):

- 48 RJ-45 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Duplex: half or full
- 2 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
- 2 fixed Gigabit Ethernet SFP ports

2530-24 Switch (J9782A):

- 24 RJ-45 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Duplex: half or full
- 2 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
- 2 fixed Gigabit Ethernet SFP ports

2530-8 Switch (J9783A):

- 8 RJ-45 autosensing 10/100 ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX); Media Type: Auto-MDIX; Duplex: half or full
- 2 dual-personality ports; each port can be used as either an 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) ports

2530-48G-PoE+-2SFP+ Switch (J9853A):

- 48 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+); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
- 2 SFP+ fixed 1000/10000 SFP+ ports

2530-24G-PoE+-2SFP+ Switch (J9854A):

- 24 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+); Media Type: Auto-MDIX; Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
- 2 SFP+ fixed 1000/10000 SFP+ ports

2530-48G-2SFP+ Switch (J9855A):

- 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); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
- 2 SFP+ fixed 1000/10000 SFP+ ports

2530-24G-2SFP+ Switch (J9856A):

- 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); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only
- 2 SFP+ fixed 1000/10000 SFP+ ports

2530-8-PoE+ Internal PS Switch (JL070A):

- 8 RJ-45 autosensing 10/100 PoE+ ports (IEEE 802.3 Type 10BASE-T, IEEE 802.3u Type 100BASE-TX, IEEE 802.3at PoE+); Media Type: Auto-MDIX; Duplex: half or full
- 2 dual-personality ports; each port can be used as either an 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) ports

ADDITIONAL PORTS AND SLOTS

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

MEMORY AND PROCESSOR

ARM9E @ 800 MHz, 128 MB flash

Packet buffer size: 3 MB (48G switches only) or 1.5 Mb dynamically allocated
256 MB DDR3 DIMM

DIMENSIONS

2530-48G-PoE+ Switch (J9772A):

- (H) 4.45 cm x (W) 32.26 cm x (D) 25.40 cm (1.75" x 17.44" x 13.00") (1U height)
- Weight: 10.4 lb (4.72 kg)

2530-24G-PoE+ Switch (J9773A):

- (H) 4.45 cm x (W) 32.26 cm x (D) 25.40 cm (1.75" x 17.44" x 13.00") (1U height)
- Weight: 8.7 lb (3.95 kg)

2530-8G-PoE+ Switch (J9774A):

- (H) 4.45 cm x (W) 25.40 cm x (D) 15.95 cm (1.75" x 10.00" x 6.28") (1U height)
- Weight: 2.2 lb (1 kg)

2530-48-PoE+ Switch (J9778A):

- (H) 4.45 cm x (W) 44.20 cm x (D) 32.26 cm (1.75" x 17.40" x 12.70") (1U height)
- Weight: 10.1 lb (4.58 kg)

2530-24-PoE+ Switch (J9779A):

- (H) 4.45 cm x (W) 44.20 cm x (D) 32.26 cm (1.75" x 17.40" x 12.70") (1U height)
- Weight: 8.4 lb (3.81 kg)

2530-8-PoE+ Switch (J9780A):

- (H) 4.45 cm x (W) 25.40 cm x (D) 15.95 cm (1.75" x 10.00" x 6.28") (1U height)
- Weight: 2.0 lb (0.91 kg)

2530-48G Switch (J9775A):

- (H) 4.45 cm x (W) 44.30 cm x (D) 25.40 cm (1.75" x 17.44" x 10.00") (1U height)
- Weight: 6.8 lb (3.08 kg)

2530-24G Switch (J9776A):

- (H) 4.45 cm x (W) 44.30 cm x (D) 25.40 cm (1.75" x 17.44" x 10.00") (1U height)
- Weight: 6.1 lb (2.77 kg)

2530-8G Switch (J9777A):

- (H) 4.45 cm x (W) 25.40 cm x (D) 15.95 cm (1.75" x 10.00" x 6.28") (1U height)

- Weight: 2.0 lb (0.91 kg)

2530-48 Switch (J9781A):

- (H) 4.45 cm x (W) 44.20 cm x (D) 24.64 cm (1.75" x 17.40" x 9.70") (1U height)
- Weight: 6.3 lb (2.86 kg)

2530-24 Switch (J9782A):

- (H) 4.45 cm x (W) 44.20 cm x (D) 24.64 cm (1.75" x 17.40" x 9.70") (1U height)
- Weight: 5.7 lb (2.59 kg)

2530-8 Switch (J9783A):

- (H) 4.45 cm x (W) 25.40 cm x (D) 15.95 cm (1.75" x 10.00" x 6.28") (1U height)
- Weight: 1.8 lb (0.82 kg)

2530-48G-PoE+-2SFP+ Switch (J9853A):

- (H) 4.45 cm x (W) 44.30 cm x (D) 32.26 cm (1.75" x 17.44" x 13.00") (1U height)
- Weight: 10.4 lb (4.72 kg)

2530-24G-PoE+-2SFP+ Switch (J9854A):

- (H) 4.45 cm x (W) 44.30 cm x (D) 33.02 cm (1.75" x 17.44" x 13.00") (1U height)
- Weight: 8.6 lb (3.9 kg)

2530-48G-2SFP+ Switch (J9855A):

- (H) 4.45 cm x (W) 44.30 cm x (D) 25.40 cm (1.75" x 17.44" x 10.00") (1U height)
- Weight: 7.1 lb (3.08 kg)

2530-24G-2SFP+ Switch (J9856A):

- (H) 4.45 cm x (W) 44.30 cm x (D) 25.40 cm (1.75" x 17.44" x 10.00") (1U height)
- Weight: 6.2 lb (2.81 kg)

2530-8-PoE+ Internal PS Switch (JL070A):

- (H) 4.45 cm x (W) 25.40 cm x (D) 24.59 cm (1.75" x 10.00" x 9.68") (1U height)
- Weight: 4.65 lb (2.11 kg)

MOUNTING AND ENCLOSURE

Mounts in an EIA-standard 19-inch telco rack or equipment cabinet (rack-mounting kit available); Horizontal surface mounting; Wall mounting

PERFORMANCE

IPv6 Ready Certified

MAC address table size: 16000 entries

2530-48G-PoE+ Switch (J9772A):

- 100 Mb Latency: < 7.4 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 2.3 μ s (LIFO 64-byte packets)
- Throughput: up to 77.3 Mpps (64-byte packets)
- Switching capacity: 104 Gbps

2530-24G-PoE+ Switch (J9773A):

- 100 Mb Latency: < 7.4 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 2.3 μ s (LIFO 64-byte packets)
- Throughput: up to 41.6 Mpps (64-byte packets)
- Switching capacity: 56 Gbps

2530-8G-PoE+ Switch (J9774A):

- 100 Mb Latency: < 7.4 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 2.6 μ s (LIFO 64-byte packets)
- Throughput: up to 14.8 Mpps (64-byte packets)
- Switching capacity: 20 Gbps

2530-48-PoE+ Switch (J9778A):

- 100 Mb Latency: < 6.6 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 2.2 μ s (LIFO 64-byte packets)
- Throughput: up to 13 Mpps (64-byte packets)
- Switching capacity: 17.6 Gbps

2530-24-PoE+ Switch (J9779A):

- 100 Mb Latency: < 1.7 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 1.1 μ s (LIFO 64-byte packets)
- Throughput: up to 9.5 Mpps (64-byte packets)
- Switching capacity: 12.8 Gbps

2530-8-PoE+ Switch (J9780A):

- 100 Mb Latency: < 1.3 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 1.3 μ s (LIFO 64-byte packets)
- Throughput: up to 4.1 Mpps (64-byte packets)
- Switching capacity: 5.6 Gbps

2530-48G Switch (J9775A):

- 100 Mb Latency: < 7.4 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 2.3 μ s (LIFO 64-byte packets)
- Throughput: up to 77.3 Mpps (64-byte packets)
- Switching capacity: 104 Gbps

2530-24G Switch (J9776A):

- 100 Mb Latency: < 7.4 μ s (LIFO 64-byte packets)

- 1000 Mb Latency: < 2.3 μ s (LIFO 64-byte packets)
- Throughput: up to 41.6 Mpps (64-byte packets)
- Switching capacity: 56 Gbps

2530-8G Switch (J9777A):

- 100 Mb Latency: < 7.4 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 2.6 μ s (LIFO 64-byte packets)
- Throughput: up to 14.8 Mpps (64-byte packets)
- Switching capacity: 20 Gbps

2530-48 Switch (J9781A):

- 100 Mb Latency: < 6.6 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 2.2 μ s (LIFO 64-byte packets)
- Throughput: up to 13 Mpps (64-byte packets)
- Switching capacity: 17.6 Gbps

2530-24 Switch (J9782A):

- 100 Mb Latency: < 1.7 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 1.1 μ s (LIFO 64-byte packets)
- Throughput: up to 9.5 Mpps (64-byte packets)
- Switching capacity: 12.8 Gbps

2530-8 Switch (J9783A):

- 100 Mb Latency: < 1.3 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 1.3 μ s (LIFO 64-byte packets)
- Throughput: up to 4.1 Mpps (64-byte packets)
- Switching capacity: 5.6 Gbps

2530-48G-PoE+-2SFP+ Switch (J9853A):

- 100 Mb Latency: < 7.3 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 2.7 μ s (LIFO 64-byte packets)
- 10 Gbps Latency: < 4.0 μ s (LIFO 64-byte packets)
- Throughput: up to 101 Mpps (64-byte packets)
- Switching capacity: 136 Gbps

2530-24G-PoE+-2SFP+ Switch (J9854A):

- 100 Mb Latency: < 7.3 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 2.7 μ s (LIFO 64-byte packets)
- 10 Gbps Latency: < 2.2 μ s (LIFO 64-byte packets)
- Throughput: up to 65.4 Mpps (64-byte packets)
- Switching capacity: 88 Gbps

2530-48G-2SFP+ Switch (J9855A):

- 100 Mb Latency: < 7.3 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 2.7 μ s (LIFO 64-byte packets)
- 10 Gbps Latency: < 4.0 μ s (LIFO 64-byte packets)
- Throughput: up to 101 Mpps (64-byte packets)
- Switching capacity: 136 Gbps

2530-24G-2SFP+ Switch (J9856A):

- 100 Mb Latency: < 7.3 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 2.7 μ s (LIFO 64-byte packets)
- 10 Gbps Latency: < 2.2 μ s (LIFO 64-byte packets)
- Throughput: up to 65.4 Mpps (64-byte packets)
- Switching capacity: 88 Gbps

2530-8-PoE+ Internal PS Switch (JL070A):

- 100 Mb Latency: < 1.3 μ s (LIFO 64-byte packets)
- 1000 Mb Latency: < 1.3 μ s (LIFO 64-byte packets)
- Throughput: up to 4.1 Mpps (64-byte packets)
- Switching capacity: 5.6 Gbps

ENVIRONMENTAL

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

Operating relative humidity: 15% to 95% @ 40°C (104°F), 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 (3km)

Acoustic: See data sheet

ELECTRICAL CHARACTERISTICS

Frequency: 50/60 Hz

Voltage: 100 - 127 / 200 - 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: See data sheet

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 total power budget available to all PoE ports.

SAFETY CERTIFICATIONS

UL 60950-1; CAN/CSA 22.2 No. 60950-1; IEC 60950-1; EN 60950-1
EN 60825

EMISSIONS

FCC Class A; EN 55022/CISPR-22 Class A; VCCI Class A

IMMUNITY

Generic/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: EN 61000-3-2, IEC 61000-3-2

Flicker: EN 61000-3-3, 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 (serial RS-232c or micro usb)

IEEE 802.3 Ethernet mib; Repeater mib; Ethernet interface mib

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.

NOTES

IEEE 802.3az applies to Gigabit models only; IEEE 802.3at and IEEE 802.3af apply to PoE+ models only. When using SFPs with this product, SFPs with revision "B" or later (product number ends with the letter "B" or later, e.g., J4858B, J4859C) are required.