

PHYSICAL INTERFACES

2930F 24G 4SFP+ Switch (JL253A),

2930F 48G 4SFP+ Switch (JL254A),

2930F 24G 4SFP Switch (JL259A),

2930F 48G 4SFP Switch (JL260A):

- 24 or 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

2930F 24G PoE+ 4SFP+ Switch (JL255A),

2930F 48G PoE+ 4SFP+ Switch (JL256A),

2930F 24G PoE+ 4SFP Switch (JL261A),

2930F 48G PoE+ 4SFP Switch (JL262A):

- 24 or 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+); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only

2930F 8G PoE+ 2SFP+ Switch (JL258A):

- 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+); Duplex: 10BASE-T/100BASE-TX: half or full; 1000BASE-T: full only

4 SFP+ Switches (JL253A - JL256A):

- 4 SFP+ 1/10GbE ports; PHY-less

2 SFP+ Switch (JL258A):

- 2 SFP+ 1/10GbE ports; PHY-less

4 SFP Switches (JL259A - JL262A):

- 4 SFP

ADDITIONAL PORTS AND SLOTS

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

MEMORY AND PROCESSOR

Dual Core ARM Coretex @ 1016 MHz (48G models) or Dual Core ARM Coretex A9 @ 1016 MHz (8G/24G models)

1 GB DDR3 SDRAM

Packet buffer size: 12.38 MB 4.5MB Ingress/7.875MB Egress

4 GB eMMC

DIMENSIONS

24G/48 PoE+ Switches (JL255A, JL256A, JL261A, JL262A):

- (H) 4.39 cm x (W) 44.25 cm x (D) 30.42 cm
(1.73" x 17.42" x 11.98") (1U height)

Other 24G Switches (JL253A, JL259A):

- (H) 4.39 cm x (W) 44.25 cm x (D) 20.02 cm
(1.73" x 17.42" x 7.88") (1U height)

Other 48G Switches (JL254A, JL2560A):

- (H) 4.39 cm x (W) 44.25 cm x (D) 24.63 cm
(1.73" x 17.42" x 9.7") (1U height)

8G PoE+ 2SFP+ (JL258A) (JL258A):

- (H) 4.39 cm x (W) 25.4 cm x (D) 25.4 cm
(1.73" x 10" x 10") (1U height)

Weight: See data sheet

PERFORMANCE

1000 Mb Latency: < 3.8 μ s (64-byte packets)

10 Gbps Latency (JL253A-JL258A): < 1.6 μ s (64-byte packets)

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

MAC address table size: 32768 entries

48G 4SFP+ models (JL254A, JL256A):

- Throughput: up to 112.0 Mpps
- Switching capacity: 176 Gbps

24G 4SFP+ models (JL253A, JL255A):

- Throughput: up to 95.2 Mpps
- Switching capacity: 128 Gbps

48G 4SFP models (JL260A, JL262A):

- Throughput: up to 77.4 Mpps
- Switching capacity: 104 Gbps

Other switches (JL258A, JL259A, JL261A):

- Throughput: up to 41.7 Mpps
- Switching capacity: 56 Gbps

•

ENVIRONMENTAL

Operating temperature range:

32°F to 113°F (0°C to 45°C);

up to 5000 Feet, 0°C to 40°C (32°F to 104°F) up to 10000 Feet

Operating relative humidity: 15% to 95%, noncondensing

Storage temperature range: -40°F to 158°F (-40°C to 70°C); up to 15000 Feet

Storage humidity: 15% to 95% @ 149°F (65°C)

Acoustic: See data sheet

ELECTRICAL CHARACTERISTICS

Frequency: 50/60 Hz

Voltage: 100 - 127 / 200 - 240 VAC, rated

Maximum heat dissipation: See data sheet

Current: See data sheet

Maximum power rating: See data sheet

Idle power: See data sheet

PoE power:

- 125 W PoE+ (8G PoE+ switch, JL258A)
- 370 W PoE+ (24G/48G PoE+ switches)

Notes:

- 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.
- Idle power is the actual power consumption of the device with no ports connected (not applicable to the 8G switch).

SAFETY CERTIFICATIONS

UL 69050-1: 2nd Edition; EN 60950-1:2006 +A11:2009 +A1:2010

+A12:2011+A2:2013; IEC 60950-1:2005 +A1:2009 +A2:2013; CSA 22.2 No. 60950-1-07 2nd; EN 60825-1:2007 / IEC 60825-1:2007 Class 1

EMISSIONS

EN 55022:2010/CISPR 22 Class A; FCC CFR 47 Part 15 Class A; VCCI Class A; ICES-003 Class A; CNS 13438

IMMUNITY

Generic: EN 55024:2010/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

Aruba AirWave Network Management

IMC - Intelligent Management Center

Command line interface

Graphical user interface (Web browser)

Configuration menu

SNMP manager

Telnet; RMON1; FTP

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.