

JL075ADatasheet

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Overview

This JL075A has 16x1000/10000 SFP+ ports together with 2x open modules lots and as tacking modules lot. It comes with our place able fan tray. It supports one or two power supplies. Power supplies are ordered separately. Available modules are: 4 x SFP+; 1 x 40GbE QSFP+; 2 x 40GbE QSFP+; 4 port stacking module.

Quick Spec

Appearance of Aruba JL075A



Product Code	JL075A
Type	Aruba3810M16SFP+2-slotSwitch
I/O ports and slots	16SFP+fixed1000/10000SFP+ports; Duplex:100BASE-TX:halforfull;1000BASE-T:fullonly;Ports1-16supportMACSec2 open module slots Supportsamaximumof8SFP+portsor240GbEports,withoptionalmodule
Additional ports and slots	1stackingmoduleslot 1RJ-45serialconsoleport 1RJ-45out-of-bandmanagementport 1dual-personality(RJ-45orUSBmicro-B)
Power supplies	2powersupplyslots 1minimumpowersupplyrequired(ordered separately)
Throughput:	Upto285.7Mp/s(64-bytepackets)
Dimensions(HxWxD)	4.39x44.25x43.13cm(1.73x17.42x16.98in)(1Uheight)

Product Details

Front Panel of Aruba JL

There are Stacking Module Slot, Management/OOBM port, AC Power connector/Power Supply slot 1 and Redundant Power Supply slot 2 on the back panel.

Product Code	JL074A	JL075A	JL076A
Type	Aruba 3810M 48G PoE+ 1-slot Switch	Aruba 3810M 16SFP+ 2-slot Switch	Aruba 3810M 40G 8 HPE Smart Rate PoE+ 1-slot Switch
I/O ports and slots	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; Ports 1 - 48 support MAC Sec 1 open module slot Supports a maximum of 4 SFP+ ports or 1 40GbE ports, with optional module	16 SFP+ fixed 1000/10000 SFP+ ports; Duplex: 100BASE-TX: half or full; 1000BASE-T: full only; Ports 1 - 16 support MAC Sec 2 open module slots Supports a maximum of 8 SFP+ ports or 2 40GbE ports, with optional module	40 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; Ports 1 - 40 support MAC Sec 8 RJ-45 HPE Smart Rate Multi-Gigabit ports; Ports 1 - 8 support MAC Sec 1 open module slots Supports a maximum of 4 SFP+ ports or 2 40GbE ports, with optional module
Throughput	Up to 190.5 Mp/s (64-byte packets)	Up to 285.7 Mp/s (64-byte packets)	Up to 273.8 Mp/s (64-byte packets)

JL075A Specification

JL075A Specification	
Type	Aruba 3810M 16SFP+ 2-slot Switch
Included accessories	1 Aruba 3810 Switch Fan Tray (JL088A)
I/O ports and slots	· 16 SFP+ fixed 1000/10000 SFP+ ports; · Duplex: 100BASE-TX: half or full; 1000BASE-T: full only; Ports 1 - 16 support MAC Sec · 2 open module slots Supports a maximum of 8 SFP+ ports or 2 40GbE ports, with optional module
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)
Fan tray	· Includes: 1 x JL088A 1 fan tray slot - Switch ships with 1 JL088A fan tray installed. Spares ordered separately.
Physical characteristics	· Dimensions (H x W x D): 4.39 x 44.25 x 43.13 cm (1.73 x 17.42 x 16.98 in) (1U height)
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
Mounting and enclosure	Mounts in an EIA-standard 19 in. telco rack or equipment cabinet (hardware included); Horizontal surface mounting only
Performance	· IPv6 Ready Certified · 1000 Mb Latency: < 2.8 μs (FIFO 64-byte packets) · 10 Gb/s Latency: < 1.8 μs (FIFO 64-byte packets) · 40 Gb/s Latency: 1.5 μs (FIFO 64-byte packets) · Throughput: Up to 285.7 Mp/s (64-byte packets) · Routing/Switching capacity: 480 Gb/s · Switch fabric speed: 508 Gb/s · Routing table size: 10000 entries (IPv4), 5000 entries (IPv6) · MAC address table size: 64000 entries
Environment	· Operating temperature: 0°C to 45°C (32°F to 113°F) · Operating relative humidity: 15% to 95% @ 40°C (104°F), non condensing · Non operating/Storage temperature: -40°C to 70°C (-40°F to 158°F) · Non operating/Storage relative humidity: 15% to 90% @ 65°C (149°F), non condensing · Altitude: Up to 10,000 ft (3 km) · Acoustic: Power: 39 dB, Pressure: 22.3 dB
Safety	· EN 60950/IEC 60950 · UL 60950 · UL 60950-1 · CAN/CSA 22.2 No. 60950 · EN 60825 · CSA 22.2 60950-1 · EN62479:2010 · EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011+A2:2013 · EN62368-1, Ed. 2 · IEC 60825:2007 · IEC 60950-1:2005 Ed.2; Am 1:2009+A2:2013 · EN60850-1:2007 / IEC 60825-1: 2007 Class1 Class 1 Laser Products / Laser Klasse 1 · UL 62368-1 Ed.2
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	· Aruba AirWave Network Management · IMC – Intelligent Management Center · Command-line interface · Web browser · 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)

