# JL558A Datasheet

## Overview

This JL558A has 48x 10/100/1000 PoE+ ports and 4x 10G / 1G SFP+ transceiver slots for uplink connectivity.  PoE+ is supported with a power budget of 740 Watts. The Aruba 2930F Switch Series is designed for customer creating digital workplaces optimized for mobile users. These Layer 3 access switches are easy to deploy and manage with advanced security and network management tools like Aruba ClearPass Policy Manager, Aruba AirWave and cloud-based Aruba Central. Virtual Switching Framework (VSF) provides stacking scale and simplicity for enterprise edge, SMB and branch offices. The 2930F delivers performance and value with support for RIP routing, Access OSPF, 10GbE uplinks, up to 740W PoE+, robust QoS, and requires no software licensing.

### Quick Spec

**Figure 1 shows the appearance of HPE Aruba JL558A.**



**Table 1 shows the quick spec.**

| Product Code | JL558A |
|---|---|
| Type | Aruba 2930F 48GPoE+ 4SFP+ 740W Switch |
| Ports | (48) RJ-45 autosensing 10/100/1000 PoE+ ports<br>(4) SFP+ |
| Memory and processor | Dual Core ARM Coretex A9 @ 1016 MHz<br>1 GB DDR3 SDRAM<br>Packet buffer size: 12.38 MB 4.5MB Ingress/7.875MB Egress<br>4 GB eMMC |
| Throughput | up to 112 Mpps |
| Switching capacity | 176 Gb/s |
| PoE Available Power | 740 W PoE+ |
| Dimensions | 1.73 x 17.42 x 12.77 in |
| Weight | 10.56 lb |

### Product Details

**Figure 2 shows the front panel of HPE Aruba JL558A.**

Note:

| (1) | 4 x SFP+ 1/10GbE ports |
|-----|------------------------|
| (2) | 48 x RJ-45 autosensing 10/100/1000 PoE+ ports |
| (3) | RJ Serial Console port |

**Figure 3 shows the back panel of HPE Aruba JL558A.**



Note:

| (1) | Cable tie eyelet |
|-----|------------------|
| (2) | Ground point |
| (3) | AC power connector |

## Compare to Similar Items

**Table 2 shows the comparison.**

| Product Code | JL255A | JL256A | JL557A | JL558A |
|--------------|--------|--------|--------|--------|
| **Type** | Aruba 2930F 24G PoE+ 4SFP+ Switch | Aruba 2930F 48G PoE+ 4SFP+ Switch | Aruba 2930F 48G PoE+ 4SFP 740W Switch | Aruba 2930F 48GPoE+ 4SFP+ 740W Switch |
| **Ports** | (24) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP+ | (48) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP+ | (48) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP | (48) RJ-45 autosensing 10/100/1000 PoE+ ports (4) SFP+ |
| **Throughput** | up to 95.2 Mp/s | up to 112.0 Mp/s | up to 112 Mpps | up to 112 Mpps |

| Switching capacity | 128 Gb/s | 176 Gb/s | 176 Gb/s | 176 Gb/s |
|---|---|---|---|---|

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# Specification

<table>
<tr><td colspan="2" align="center"><strong>JL558A Specification</strong></td></tr>
<tr><td><strong>Type</strong></td><td>Aruba 2930F 48GPoE+ 4SFP+ 740W Switch</td></tr>
<tr><td><strong>Ports</strong></td><td>(48) RJ-45 autosensing 10/100/1000 PoE+ ports<br>(4) SFP+</td></tr>
<tr><td><strong>Memory and processor</strong></td><td>Dual Core ARM Coretex A9 @ 1016 MHz<br>1 GB DDR3 SDRAM<br>Packet buffer size: 12.38 MB 4.5MB Ingress/7.875MB Egress<br>4 GB eMMC</td></tr>
<tr><td><strong>Management</strong></td><td>Aruba AirWave<br>Central Network Management<br>IMC - Intelligent Management Center<br>Command-line interface<br>Web browser<br>Configuration menu<br>SNMP manager<br>Telnet<br>RMON1<br>FTP<br>Out-of-band management (serial RS-232C or micro USB)</td></tr>
<tr><td><strong>1000 Mb Latency</strong></td><td>< 3.8 μs (64-byte packets)</td></tr>
<tr><td><strong>10 Gbps Latency</strong></td><td>< 1.6 μs (64-byte packets)</td></tr>
<tr><td><strong>Throughput</strong></td><td>up to 112.0 Mp/s</td></tr>
<tr><td><strong>Switching capacity</strong></td><td>176 Gb/s</td></tr>
<tr><td><strong>Dimensions</strong></td><td>1.73 x 17.42 x 12.77 in</td></tr>
<tr><td><strong>Weight</strong></td><td>10.56 lb</td></tr>
<tr><td><strong>Input voltage</strong></td><td>100-127 / 200-240 VAC, rated</td></tr>
<tr><td><strong>Power consumption</strong></td><td>980 W (maximum)</td></tr>
<tr><td><strong>Heat dissipation</strong></td><td>420.9 BTU/hr (444.1 kJ/hr)</td></tr>
</table>

# HPE ARUBA NETWORKING SWITCHES

## Part # JL558A | Aruba 2930F 48GPoE+ 4SFP+ 740W Switch

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