

About the ArubaOS-Switch Manuals for 16.09



a Hewlett Packard
Enterprise company

Part Number: 5200-5887
Published: June 2019
Edition: 1

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The ArubaOS-Switch manuals describe the features for the ArubaOS-Switch Series and guide you through the software configuration process. These manuals also provide configuration examples to help you apply the software features to different network scenarios.

This guide provides brief descriptions of what is found in each of the guides in the ArubaOS-Switch documentation suite.

Links to the ArubaOS-Switch documentation can be found in the HPE Information Library at [**www.hpe.com/networking/resourcefinder**](http://www.hpe.com/networking/resourcefinder) or on the HPE Support Center ([**www.hpe.com/support/manuals**](http://www.hpe.com/support/manuals)).

ArubaOS-Switch manuals	Content
<i>Access Security Guide</i>	<p>Provides information on how to configure access security features and user authentication on the switch.</p> <p>This guide includes:</p> <ul style="list-style-type: none"> • Username and password security • Virus throttling • Web-based, MAC and local MAC authentication • Captive Portal for ClearPass • MAC, IPv4 ACLs, ACL grouping • Net-destination and Net-service • Infrastructure MACsec • TACACS+ Authentication and Accounting • RADIUS Authentication, Authorization, and Accounting • Local user roles • Open authentication • RBAC • Password complexity • Secure web management • SSH • SSL • Port security • Authorized IP management • Key Management System • Traffic and security configuration • Access control (802.1X) • Device Fingerprinting • Secure mode configuration • Certificate manager • EST and its applications • Suite-B Cryptography conformance • User-based lockout compliance
<i>Advanced Traffic Management Guide</i>	<p>Provides information on how to configure traffic management features such as VLANs, MSTP, QoS, and meshing.</p>

Table Continued

ArubaOS-Switch manuals	Content
	<p>This guide includes:</p> <ul style="list-style-type: none"> • Static VLANs • GVRP • MVRP • Multiple instance spanning tree operation • Loop protection • Source VLAN filtering • RPVST+ • VXLAN • Private VLANs • Switch meshing • QoS • Port QoS trust mode • Stack management • BYOD-redirect • QinQ • Classifier based software configuration • MAC classes • Smart link

Table Continued

ArubaOS-Switch manuals	Content
<i>Basic Operation Guide</i>	<p>Provides information on how to use the switch interfaces and introduces basic operations.</p> <p>This guide includes:</p> <ul style="list-style-type: none"> • Getting started • Using the menu interface • ArubaOS-Switch UI • Preview mode • Using the Command Line Interface • Configuring the switch • Managing interface access and system information • Configuring IP addressing • Managing switch software • Daylight Savings Time • Power saving
<i>Event Log Message Reference Guide</i>	Provides a comprehensive description of event log messages.
<i>Feature and Command Index</i>	Provides a list of key features and which manual contains information on the feature. And provides a list of commands and which manual contains information on the command.

Table Continued

ArubaOS-Switch manuals	Content
<i>IPv6 Configuration Guide</i>	<p>Provides information on the IPv6 protocol operations that are supported on the switch.</p> <p>This guide includes:</p> <ul style="list-style-type: none"> • IPv6 addressing configuration • IPv6 management and security • Multicast Listener Discovery snooping • IPv6 ACLs • IPv6 routing and static routing • IPv6 router advertisements • DHCPv6-Relay • OSPFv3 routing • PIMv6 • IPv6 tunneling over IPv4 • Service insertion • IPv6 diagnostics and troubleshooting • IPv6 network defense ND snooping and detection

Table Continued

ArubaOS-Switch manuals	Content
<i>Management and Configuration Guide</i>	<p>Provides information on how to configure, manage, and monitor basic switch operation.</p> <p>This guide includes:</p> <ul style="list-style-type: none"> • Time synchronization • Resource usage • Hardware components • Port status and configuration • Uplink Failure Detection • PoE/PoE+ operation • Port trunking • LACP • Port traffic controls • Fault-Finder port-level link-flap • Configuring for Network Management Applications • DHCPv4 and DHCPv6 server • ZTP with AirWave and Central • Activating ArubaOS-Switch Firmware Integration • IPSec for AirWave connectivity • Auto configuration upon Aruba AP detection • File transfers • Monitoring and analyzing switch operation • Virtual technician • Scalability • Job scheduler • Device Profile • LLDP • Virtual Switching Framework • Simplifying Wireless and IoT Deployments • IP SLA • Dynamic Segmentation • Tunneled node • Time Domain Reflectometry or Cable diagnostics

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ArubaOS-Switch manuals	Content
	<ul style="list-style-type: none"> • Static IP visibility • Network OOBM • Chassis redundancy for 5400R series • LACP-MAD Passthrough • Smart Rate technology • Networking 6th generation switch ASIC • MAC address management • Configuration backup and restore without reboot
<i>MIB and Trap Support Matrix</i>	Provides a matrix showing the MIBs and Traps supported for each software feature found in ArubaOS-Switch.
<i>Multicast and Routing Guide</i>	<p>Provides information on how to configure IGMP, PIM, IP routing, and VRRP features.</p> <p>This guide includes:</p> <ul style="list-style-type: none"> • Multimedia traffic control with IP multicast (IGMP) • PIM-DM and PIM-SM • Routing basics and Static routing • Log violation of Blackhole route • Routing Information Protocol (RIP) • RIPv2 MD5 authentication • RIPng • Open Shortest Path First Protocol (OSPF) • Route policy • ICMP router discovery protocol • DHCP • UDP • VRRP • BGP • BFD • Bonjour and Chromecast discovery with mDNS

Table Continued

ArubaOS-Switch manuals	Content
<i>OpenFlow 1.3 Administrator Guide</i>	<p>Provides information for OpenFlow configuration and administration, OpenFlow command syntax descriptions, and troubleshooting actions.</p> <p>This guide includes:</p> <ul style="list-style-type: none"> • OpenFlow configuration • OpenFlow Group table • OpenFlow per-flow rate limiting • OpenFlow custom pipeline • OpenFlow match on TCP flags and L4 port ranges • Push and pop VLAN • Show commands • Troubleshooting OpenFlow
<i>Software Feature Support Matrix</i>	<p>Provides a list of ArubaOS-Switch features and which of the following software platforms the feature is supported on.</p> <ul style="list-style-type: none"> • 3810 KB • 5400Rzl2 KB • 2930F WC • 2930M WC • 2920 WB • 2540 YC • 2530 YA/YB