

Aruba Feature Command Index for ArubaOS-Switch 16.08



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This guide provides a list of key features and commands, and their location in the documentation suite.

Applicable products

This guide applies to these products:

Aruba 2530 Switch Series (J9772A, J9773A, J9774A, J9775A, J9776A, J9777A, J9778A, J9779A, J9780A, J9781A, J9782A, J9783A, J9853A, J9854A, J9855A, J9856A, JL070A)

Aruba 2540 Switch Series (JL354A, JL355A, JL356A, JL357A)

Aruba 2920 Switch Series (J9726A, J9727A, J9728A, J9729A, J9836A)

Aruba 2930F Switch Series (JL253A, JL254A, JL255A, JL256A, JL258A, JL259A, JL260A, JL261A, JL262A, JL263A, JL264A, JL557A, JL558A, JL559A)

Aruba 2930M Switch Series (JL319A, JL320A, JL321A, JL322A, JL323A, JL324A, R0M67A, R0M68A)

Aruba 3810 Switch Series (JL071A, JL072A, JL073A, JL074A, JL075A, JL076A)

Aruba 5400R zl2 Switch Series (J9821A, J9822A, J9850A, J9851A, JL001A, JL002A, JL003A, JL095A)

Switch prompts used in this guide

Examples in this guide are representative and may not match your particular switch/environment. Examples use simplified prompts as follows:

Prompt	Explanation
switch#	# indicates manager context (authority).
switch>	> indicates operator context (authority).
switch(config)#	(config) indicates the config context.
switch(vlan-x)#	(vlan-x) indicates the vlan context of config, where x represents the VLAN ID. For example: switch(vlan-128)#.
switch(eth-x)#	(eth-x) indicates the interface context of config, where x represents the interface. For example: switch(eth-48)#.
switch-Stack#	Stack indicates that stacking is enabled.
switch-Stack(config)#	Stack(config) indicates the config context while stacking is enabled.
switch-Stack(stacking)#	Stack(stacking) indicates the stacking context of config while stacking is enabled.

Table Continued

Prompt	Explanation
switch-Stack(vlan-x) #	Stack(vlan-x) indicates the vlan context of config while stacking is enabled, where x represents the VLAN ID. For example: switch-Stack(vlan-128) #.
switch-Stack(eth-x/y) #	Stack(eth-x/y) indicates the interface context of config, in the form (eth-<member-in-stack>/<interface>). For example: switch(eth-1/48) #



NOTE: For the latest ArubaOS-Switch documentation, visit the Networking Support website at www.hpe.com/networking/support.

Switch documentation

Look for this switch documentation available on the Networking Support website:

- *ArubaOS-Switch Access Security Guide*: Explains how to configure access security features and user authentication on the switch.
- *ArubaOS-Switch Advanced Traffic Management Guide*: Explains how to configure traffic management features such as VLANs, MSTP, QoS, and Meshing.
- *ArubaOS-Switch Basic Operation Guide*: Describes how to use the switch interfaces and introduces basic operations.
- *ArubaOS-Switch Event Log Message Reference Guide*: Provides a comprehensive description of event log messages.
- The Installation and Getting Started Guide for each switch: Explains how to prepare, install, and connect the switch.
- *ArubaOS-Switch IPv6 Configuration Guide*: Describes the IPv6 protocol operations that are supported on the switch.
- *ArubaOS-Switch Management and Configuration Guide*: Describes how to configure, manage, and monitor basic switch operation.
- *ArubaOS-Switch Multicast and Routing Guide*: Explains how to configure IGMP, PIM, IP routing, and VRRP features.
- Switch Software Release Notes: Describes new features, fixes, and enhancements that become available between revisions of the main product guide.

Guide name abbreviations are as follows:

ASG: Access Security Guide

ATMG: Advanced Traffic Management Guide

BOG: Basic Operation Guide

IPv6: IPv6 Configuration Guide

MCG: Management and Configuration Guide

MRG: Multicast and Routing Guide

Table 1: *Software features*

Software features	ASG	ATMG	BOG	IPv6	MCG	MRG
802.1Q VLAN Tagging		X				
802.1X Port-Based Priority					X	
802.1X Multiple Authenticated Clients Per Port	X					
802.3bt					X	
Access Control Lists (ACLs)	X					
Access Control Lists (ACLs) (IPv6)				X		
access-list logtimer	X					
Active / Active Support	X	X				
Airwave Controller IP configuration commands					X	
Aruba Central integration					X	
AAA Authentication	X					
Authentication order, priority, and fallback	X					
Authorized IP Managers	X					
Authorized IP Managers (IPv6)				X		
Authorized Manager List (Web, SSH, TFTP)	X					
Automatic CA Certificate Download with ClearPass	X					
Auto MDIX Configuration					X	

Table Continued

Software features	ASG	ATMG	BOG	IPv6	MCG	MRG
BOOTP					X	
Border Gateway Protocol (BGP)						X
Captive-portal commands	X					
Class commands					X	
Config File			X			
Console Access			X			
Consolidated Client View					X	
Copy Command					X	
Core Dump					X	
CoS (Class of Service)		X				
Debug					X	
Device Fingerprinting	X					
DHCP Configuration					X	
DHCPv6 Relay				X		
DHCP Option 82						X
DHCP Snooping	X					
DHCP/Bootp Operation					X	
Diagnostic Tools					X	
Diagnostics and Troubleshooting (IPv6)				X		
Distributed Trunking					X	
Downloading Software			X			
Dynamic ARP Protection	X					
Dynamic Configuration Arbiter	X					
Dynamic Segmentation					X	
Dynamic IP Lockdown	X					
Easing Wired/Wireless Deployment feature integration					X	
Eavesdrop Protection	X					
Equal Cost Multi-Path (ECMP)						X
Event Log					X	
Factory Default Settings			X			
Flow Control (802.3x)					X	
File Management					X	

Table Continued

Software features	ASG	ATMG	BOG	IPv6	MCG	MRG
File Transfers					X	
FQDN support for RADIUS Server	X					
Friendly Port Names					X	
Guaranteed Minimum Bandwidth (GMB)					X	
GVRP		X				
Hibernate mode			X			
IMC (Network Management)	X		X		X	
IGMP						X
Interface Access (Telnet, Console/Serial, web)			X			
IP Addressing			X			
IPv6 Addressing				X		
IP Preserve (IPv6)			X			
IP Routing						X
IPsec for Zero Touch Provisioning					X	
IPsec Tunnel to Secondary Controller					X	
IP SLA					X	
IPv6 Static Routing				X		
Jumbo Packets					X	
Key Management System (KMS)	X					
LACP					X	
LACP Minimum Active Links					X	
LLDP	X					
LLDP-MED	X					
Local User roles	X					
Log IP address of an ACL match	X					
Log violation of Blackhole route						X
Loop Protection		X				
MAC Address Management					X	
MAC Lockdown	X					
MAC Lockout	X					

Table Continued

Software features	ASG	ATMG	BOG	IPv6	MCG	MRG
MAC-based Authentication	X					
Management VLAN		X				
Management Security (IPv6)				X		
Meshing		X				
MLDv1/MLDv2				X		
Monitoring and Analysis					X	
Multicast Filtering	X					
Multiple Configuration Files			X			
Net-destination and Net-services	X					
Network Management Applications (SNMP)					X	
Object tracking for Uplink Failure Detection					X	
Out-of-Band Management (OOBM)					X	
OSPFv3				X		
Passwords and Password Clear Protection	X					
Ping					X	
Policy-based Routing (PBR)		X				
Policy commands					X	
Port Configuration					X	
Port Monitoring		X				
Port QoS Trust Mode		X				
Port Security	X					
Port Status					X	
Port Trunking (LACP)					X	
Port-Based Access Control (802.1X)	X					
Power over Ethernet (PoE and PoE+)					X	
Protocol Filters	X					
Protocol VLANS		X				
Proxy Server						
PTP (Precision Time Protocol) IEEE 1588					X	

Table Continued

Software features	ASG	ATMG	BOG	IPv6	MCG	MRG
Quality of Service (QoS)		X				
RADIUS Authentication and Accounting	X					
RADIUS-Based Configuration	X					
Rate-Limiting					X	
RIP						X
RMON 1,2,3,9					X	
Routing						X
Routing - IP Static						X
Route Redistribution						X
RPVST+ Ph-2		X				X
SavePower Features					X	
Secure Copy					X	
Secure Copy (IPv6)				X		
Secure FTP (IPv6)				X		
sFlow					X	
SFTP					X	
SNMPv3					X	
SNMP (IPv6)				X		
SNMP Trap Throttling				X		
Software Downloads (SCP/SFTP, TFPT, Xmodem)					X	
Source-Port Filters	X					
Spanning Tree (STP, RSTP, MSTP, RPVST+)		X				
SSHv2 (Secure Shell) Encryption	X					
SSH (IPv6)				X		
SSL (Secure Sockets Layer)	X					
Stacking		X				
sys-debug acl	X					
sys-debug destination	X					
Syslog					X	
System Information			X			
TACACS+ Authentication over v6	X					

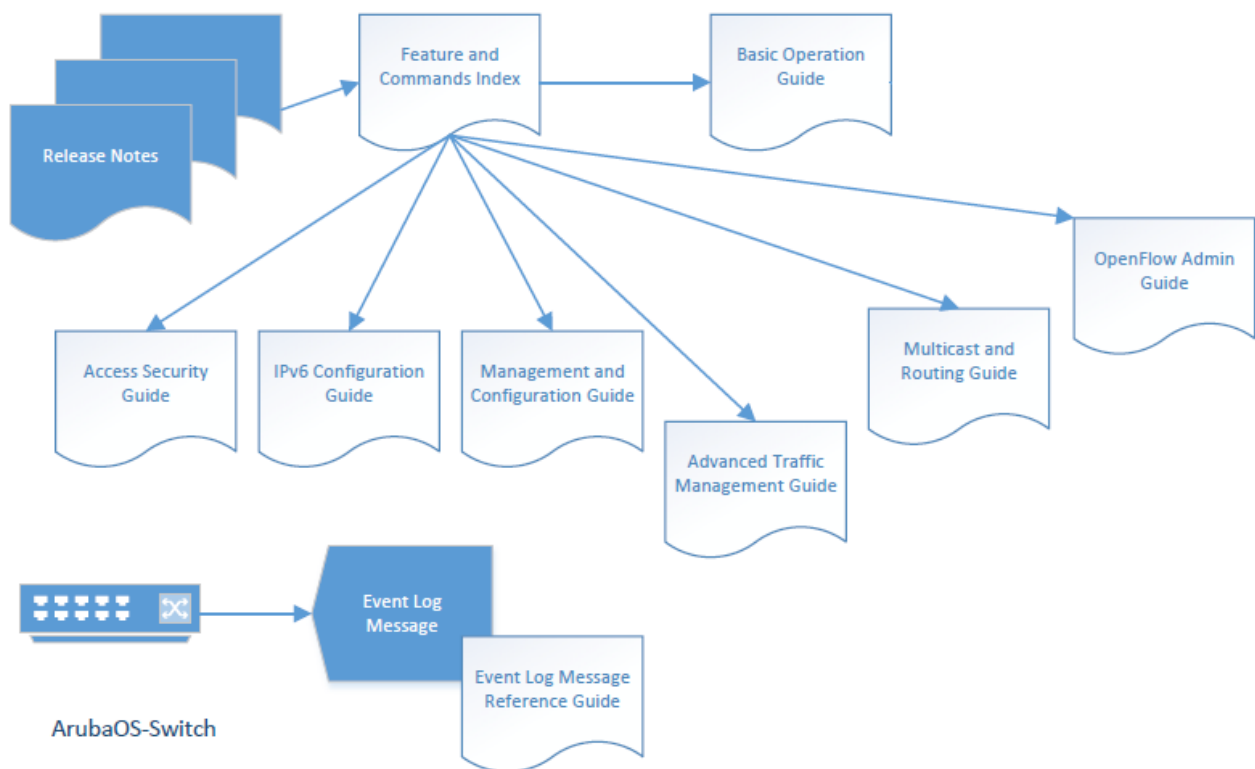
Table Continued

Software features	ASG	ATMG	BOG	IPv6	MCG	MRG
Telnet Access			X			
Telnet (IPv6)				X		
TFTP					X	
Time Protocols (TimeP, SNTP)					X	
Time Protocols (IPv6)				X		
Traffic Mirroring					X	
Traffic/Security Filters	X					
Troubleshooting					X	
Tunneled node					X	
Tunneling (6in4)				X		
Uni-Directional Link Detection (UDLD)					X	
UDP Forwarder						X
USB Device Support					X	
User-role Enhancement	X					
v6 Per User Tunnel Node					X	
Virus Throttling (Connection-Rate Filtering)	X					
VLANs		X				
VLAN commands					X	
VLAN Mirroring (1 static VLAN)		X				
Voice VLAN		X				
Web Authentication RADIUS Support	X					
Web-based Authentication	X					
Web UI			X			

ArubaOS-Switch documentation includes the following:

- Release Notes
- *ArubaOS-Switch Feature and Commands Index*
- *ArubaOS-Switch Basic Operation Guide (BOG)*
- *ArubaOS-Switch Access Security Guide (ASG)*
- *ArubaOS-Switch IPv6 Configuration Guide (IPv6)*
- *ArubaOS-Switch Management and Configuration Guide (MCG)*
- *ArubaOS-Switch Advanced Traffic Management Guide (ATMG)*
- *ArubaOS-Switch Multicast and Routing Guide (MRG)*
- *ArubaOS-Switch OpenFlow 1.3 Administrator Guide*
- *ArubaOS-Switch Event Log Message Reference Guide*

Figure 1: Reading path for ArubaOS-Switch documentation



This chapter indicates which of the ArubaOS-Switch guides to consult for specific commands.



IMPORTANT: This chapter lists commands for all ArubaOS-Switch products. Certain commands may not apply to all products. For further information or command verification, see the guides for your specific switch.

Guide name abbreviations are as follows:

ASG: Access Security Guide

ATMG: Advanced Traffic Management Guide

BOG: Basic Operation Guide

IPv6: IPv6 Configuration Guide

MCG: Management and Configuration Guide

MRG: Multicast and Routing Guide

'A' commands

'A' commands	ASG	ATM G	BOG	IPv6	MCG	MRG
aaa accounting rest-uri	X					
aaa accounting rest-uri stop-only	X					
aaa accounting rest-uri stop-only radius	X					
aaa accounting rest-uri stop-only radius server-group	X					
aaa accounting rest-uri stop-only radius server-group groupname	X					
aaa authorization	X					
aaa authorization group groupname	X					
aaa authorization group groupname uri-seq	X					
aaa authorization group groupname match-uri	X					
aa authorization group group1 1 match-uri "/rest/v3" match-json "collection_result" uri-access put permit	X					
aaa authorization rest-uri radius	X					
aaa authorization rest-uri none	X					
aaa authorization rest-uri tacacs	X					

Table Continued

'A' commands	ASG	ATM G	BOG	IPv6	MCG	MRG
aaa authenticate captive-portal enable	X					
aaa authenticate captive-portal disable	X					
aaa authentication captive-portal profile <PROFILE-STR> [url <URL-STR>]	X					
aaa authentication captive-portal profile <NON_EXISTING_PROFILE>	X					
aaa authentication captive-portal url- hash-key plaintext <KEY>	X					
aaa authentication captive-portal url- hash-key encrypted <ENCRYPTED-KEY>	X					
aaa authentication console-lockout	X					
aaa authentication num-attempts <attempts>	X					
aaa authentication lockout-delay <seconds>	X					
aaa port-access authenticator [...]	X					
aaa authentication allow-vlan tagged		X				
aaa authentication local clear-history- record	X					
aaa authentication local min-pwd-length	X					
aaa authentication local user aging period	X					
aaa authentication local-user group	X					
aaa authentication local-user <user1> <group> default-security-group password <plain text>	X					
aaa authentication mac-based pap-radius	X					
aaa authentication port-access [...]	X					
aaa authentication port-access <PORT_LIST> auth_order <authenticator mac-based> <mac-based authenticator> [local-mac]	X					
aaa authentication port-access <PORT_LIST> auth_priority <authenticator mac-based> <mac-based authenticator>	X					
aaa authentication port-access chap-radius	X					
aaa authentication port-access eap-radius cached-reauth	X					
aaa authentication user-based lockout	X					
aaa authentication unlock	X					
aaa authorization group	X					

Table Continued

'A' commands	ASG	ATM G	BOG	IPv6	MCG	MRG
aaa authorization user-role [enable disable [initial-role <ROLE-STR>] [name <ROLE>]]	X					
aaa authorization user-role enable [...]	X				X	
aaa authorization user-role enable download	X					
aaa authorization user-role name <CRITICAL-VOICE> vlan-id-tagged	X					
aaa authorization user-role name <MYUSERROLE> policy <MYUSERPOLICY>	X					
aaa authorization user-role name <MYUSERROLE> captive-portal-profile <MYCAPTPORTPROFILE>	X					
aaa authorization user-role name <MYUSERROLE> vlan-id <VID>	X					
aaa authorization user-role name <MYUSERROLE> reauth-period <0-999999999>	X					
aaa authorization user-role name <Role-name> cached-reauth-period <Time-range>	X					
aaa authorization user-role name <Role-name> device admin-edge-port	X					
aaa authorization user-role name <Role-name> device poe-allocate-by-class	X					
aaa authorization user-role name <Role-name> device poe-priority {critical high low}	X					
aaa authorization user-role name <Role-name> device port-mode	X					
aaa authorization user-role name <Role-name> vlan-id-tagged	X					
aaa port-access [...]	X					
aaa port-access authenticator [...]	X					
aaa port-access authenticator eap-id-compliance	X					
aaa port-access port critical user-role critical-voice	X					
aaa port-access controlled-directions in	X					
aaa port-access critical-auth data-vlan	X					

Table Continued

'A' commands	ASG	ATM G	BOG	IPv6	MCG	MRG
aaa port-access critical-auth user-role [...]	X					
aaa port-access device-identity bypass	X					
aaa port-access gvrp-vlans	X					
aaa port-access initial-role					X	
aaa port-access local-mac 1	X					
aaa port-access local-mac 1 addr-limit 2	X					
aaa port-access local-mac 1 auth-vid 10	X					
aaa port-access local-mac profile...	X					
aaa port-access local-mac 1 logoff-period 400	X					
aaa port-access local-mac 1 unauth-period 300	X					
aaa port-access local-mac 1 unauth-vid 12	X					
aaa port-access local-mac mac-group default	X					
aaa port-access local-mac mac-group ip-phone-grp	X					
aaa port-access local-mac 1 quiet-period 70	X					
aaa port-access local-mac 1 reauthenticate	X					
aaa port-access local-mac apply profile...	X					
aaa port-access local-mac profile...	X					
aaa port-access local-mac mac-group...	X					
aaa port-access local-mac mac-pin	x					
aaa port-access mac-based [...]	X					
aaa port-access mac-based addr-format <no-delimiter single-dash multi-dash multi-colon no-delimiter-uppercase single-dash-uppercase multi-dash-uppercase multi-colon-uppercase >	X					
aaa port-access mac-based [e] <port-list> [addr-limit 1-256]	X					
aaa port-access mac-based [e] <port-list> [auth-vid vid]	X					
aaa port-access mac-based [e] <port-list> [logoff-period] 60-9999999	X					

Table Continued

'A' commands	ASG	ATM G	BOG	IPv6	MCG	MRG
aaa port-access mac-based [e] <port-list> [max-requests 1-10]	X					
aaa port-access mac-based [e] <port-list> [quiet-period 1-65535]	X					
aaa port-access mac-based [e] <port-list> [reauthenticate]	X					
aaa port-access mac-based [e] <port-list> [reauth-period 0-9999999]	X					
aaa port-access mac-based [e] <port-list> [server-timeout 1-300]	X					
aaa port-access mac-based [e] <port-list> [unauth-vid vid]	X					
aaa port-access mac-based password <password value>	X					
aaa port-access mac-based <port-list>	X					
aaa port-access mac-based server-group	X					
aaa port-access mac-based <PORT-LIST> mac- pin	X					
aaa port-access mac-based unauth-redirect	X					
aaa port-access <port-list> mixed	X					
aaa port-access mka key-server-priority 18	X					
aaa port-access mka key-server-priority transmit-interval <INTERVAL> [ethernet] PORT-LIST	X					
aaa authentication rest login radius	X					
aaa port-access supplicant			X			
aaa port-access supplicant [ethernet] <port-list>	X					
aaa port-access web-based access-denied- message <<access-denied-str> radius- response>	X					
aaa port-access web-based auth-vid	X					
aaa port-access web-based [clear- statistics]	X					
aaa port-access web-based [dhcp-addr <ip- address/mask>]	X					
aaa port-access web-based [dhcp-lease <5-25>]	X					

Table Continued

'A' commands	ASG	ATM G	BOG	IPv6	MCG	MRG
aaa port-access web-based [ewa-server <ipv4-addr hostname> [<page-path>]]	X					
aaa port-access web-based <port-list>	X					
aaa port-access web-based <port-list> [auth-vid <vid>]	X					
aaa port-access web-based <port-list> [client-limit <1-256>]	X					
aaa port-access web-based <port-list> [logoff-period] <60-9999999>]	X					
aaa port-access web-based <port-list> [max-requests] <1-10>]	X					
aaa port-access web-based <port-list> [max-retries] <1-10>]	X					
aaa port-access web-based <port-list> [quiet-period] <1-65535>]	X					
aaa port-access web-based <port-list> [reauth-period] <0-9999999>]	X					
aaa port-access web-based <port-list> [reauthenticate]	X					
aaa port-access web-based <port-list> [redirect-url <url>]	X					
aaa port-access web-based [e] <port-list> [server-timeout <1-300>]	X					
aaa server-group radius nas-id	X					
access-denied	X					
access-list	X				X	
access-list logtimer	X					
accounting	X					
acct-port	X					
acl-name-str	X					
aclv4	X			X		
aclv6				X		
activate software-update [enable disable]					X	
activate software-update check					X	
activate software-update update					X	
address format	X					

Table Continued

'A' commands		ASG	ATM G	BOG	IPv6	MCG	MRG
advertise-interval							X
alias				X		X	
all		X					
allow-v1-modules						X	
allow-v2-modules						X	
amp-server						X	
area [...]							X
area <area-id> security authentication ipsec						X	
area [ospf-area-id ...]					X		
area ospf3-area-id stub					X		
area ospf-area-id nssa					X		
arp-protect						X	
	arp-protect trust	X					
	arp-protect vlan	X					
	arp-protect validate	X					
aruba-central {enable disable support-mode {enable disable}}						X	
auth-server							
auth-vid		X					
authentication		X					
authoritative						X	
authorization		X					
authorized		X					
autorun						X	
	autorun encryption key					X	
auto-mdix						X	
auto-tftp					X	X	

'B' commands

'B' commands		ASG	ATMG	BOG	IPv6	MCG	MRG
banner							
	banner exec			X			

Table Continued

'B' commands		ASG	ATMG	BOG	IPv6	MCG	MRG
	banner motd			X			
	bgp router-id <i>router-id</i>						X
	bgp timers <i>keep-alive hold-time</i>						X
	boot						
	boot active					X	
	boot cr					X	
	boot set-default flash			X			
	boot standby					X	
	boot system					X	
	bootfile-name <filename>					X	
	broadcast-limit					X	
	bsm-interval						X
	bsr-candidate bsm-interval ...						X
	bsr-candidate hash-mark-length ...						X
	bsr-candidate priority ...						X
	bsr-candidate router pim						X
	bsr-candidate source-ip-vlan <vid>						X

'C' commands

'C' commands		ASG	ATMG	BOG	IPv6	MCG	MRG
	cached-reauth-period	X					
	captive-portal-profile <PROFILE_NAME>	X					
	cdp						
	cdp enable					X	
	cdp mode pre-standard-voice					X	
	cdp run					X	
	cfg-backup					X	
	cfg-restore					X	
	cfg-restore status					X	
	chassislocate					X	
	class		X			X	
	class ipv4 ...		X				

Table Continued

'C' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
class resequence ipv4 ipv6 mac start <i>increment</i>		X				
clear cable-diagnostic-result					X	
clear crypto client-public-key	X					
clear dhcp-server conflicts [ip-addr]					X	
clear dhcp-server statistics					X	
clear dhcp-snooping binding [all ip <IP-ADDR> port <PORT-NUM> vlan <VLAN- ID>]	X					
clear dhcpv6-snooping statistics	X					
clear ip ospf statistics				X		
clear ipv6 nd snooping bindings ipv6- address vlan <vlan-id> mac <mac-addr>				X		
clear ipv6 nd snooping statistics ethernet <PORT-LIST>				X		
clear ipv6 neighbors				X		
clear link-keepalive statistics					X	
clear mvrp		X				
clear rogue-ap-isolation					X	
clear security-logging	X					
clear statistics					X	
clear statistics mac ACL-NAME-STR port PORT-NUM	X					
clear statistics mac ACL-NAME-STR {port PORT-NUM VLANVLAN-ID {in out vlan}}	X					
clear statistics mka ethernetport-list	X					
clear statistics policy aclv6 aclv4 mac		X				
clear statistics port-list global aclv4 ... aclv6 ... policy lldp port-list			X			
clear statistics PORT-LIST global aclv4 ... aclv6... policy mka ... macsec ... <TRUNK-LIST>	X				X	
client-limit	X					
connection-rate-filter	X					
console			X			
console max-sessions <1-6>	X					
controller-directions	X					

Table Continued

'C' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
copp traffic-class {<traffic-class-type> limit {default <VALUE>}}		X				
copp user-def <copp-id> {ipv4 ipv6}{any <protocol> <dest-port> <dest-ipaddress> [<protocol> <dest-port>]}{limit <limit- val> none drop} [tcp udp]}		X				
copy					X	
copy command-output					X	
copy config			X			
copy core-dump					X	
copy core-dump VSF member VSF-MEMBER SLOT-ID mm-active mm-standby sftp tftp usb xmodem HOST-NAME-STR IP-ADDR IPV6-ADDR FILENAME-STR					X	
copy crash-data					X	
copy crash-data VSF member VSF-MEMBER SLOT-ID-RANGE mm sftp tftp usb xmodem sftp tftp usb xmodem HOST-NAME-STR IP-ADDR IPV6-ADDR FILENAME-STR					X	
copy crash-files <options>					X	
copy crash-log					X	
copy crash-log VSF member VSF-MEMBER SLOT-ID-RANGE mm sftp tftp usb xmodem sftp tftp usb xmodem HOST-NAME-STR IP-ADDR IPV6-ADDR FILENAME-STR					X	
copy event-log					X	
copy fdr-log VSF member VSF-MEMBER all mm-active mm-standby slot current previous SLOT-ID-RANGE sftp tftp usb xmodem HOST-NAME- STR IP-ADDR IPV6-ADDR FILENAME-STR					X	
copy flash			X			
copy flash tftp					X	
copy flash usb					X	
copy flash xmodem					X	
copy running-config xmodem add-ignore- tag					X	
copy security-log sftp/tftp/usb/xmodem user IP-Address FILENAME-STR	X					

Table Continued

'C' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
copy <source> config <config file name> hostname ip <source file> detail					X	
copy source destination					X	
copy startup-config sftp <ip-addr> <filename> add-ignore-tag					X	
copy startup-config usb					X	
copy startup-config xmodem add-ignore-tag					X	
copy tftp					X	
copy tftp command-file					X	
copy tftp show-tech					X	
copy tftp target				X		
copy usb command-file					X	
copy usb flash			X		X	
copy usb startup-config					X	
copy xmodem command-file					X	
copy xmodem config					X	
copy xmodem flash			X		X	
copy xmodem startup-config					X	
core-dump					X	
core-dump interfaces management-module VSF tftp-server member <i>MEMBER-ID</i> interfaces management-module					X	
crypto host-cert generate self-signed			X			
crypto ca-download usage clearpass retry <time-interval>	X					
crypto ca-download usage clearpass force	X					
crypto key	X					
crypto key generate autorun-key	X					
crypto key generate ssh	X					
crypto key zeroize	X					
crypto pki	X					
crypto pki clear crl	X					
crypto pki create-csr certificate-name	X					
crypto pki create-csr certificate-name <cert-name> usage captive portal	X					

Table Continued

'C' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
crypto pki create-csr certificate-name <cert-name> ta-profile <profile_name>	X					
crypto pki enroll-self-signed certificate-name <cert-name>	X				X	
crypto pki ta-profile <profile_name> crl-root-profile <ta-profile_name>	X					
crypto pki ta-profile <profile_name> retrieve-crl	X					
crypto pki ta-profile <profile_name> oosp-root-profile <ta-profile_name>	X					
crypto pki ta-profile <profile_name> revocation-check crl	X					
crypto pki ta-profile <profile_name> revocation-check oosp	X					
crypto public-key	X					
crypto SuiteB-MinLoS <128 192> tls	X					
cwmp					X	

'D' commands

'D' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
debug		X			X	
debug cfg-restore					X	
debug destination buffer	X					
debug destination session	X					
debug destination logging	X					
debug dynamic-ip-lockdown	X					
debug ip fib blackhole						X
debug ip ospf						X
debug ipv6 fib blackhole						X
debug ipv6 nd snooping				X		
debug ipv6 ospf3				X		
debug ipv6 ripng				X		
debug ipv6 ripng database events trigger				X		
debug mvrp		X				
debug ntp					X	

Table Continued

'D' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
debug security captive-portal	X					
debug security crypto	X					
debug security dhcp-snooping	X					
debug security dhcpv6-snooping	X					
debug security captive-portal	X					
debug security port-access authenticator	X					
debug security port-access mac-based	X					
debug security radius-server	X					
debug usertn	X					
debug vrrp						X
debug ztp					X	
default-router <IP-ADDR-STR> [IP-ADDR2 IP-ADDR8]					X	
default-class action mirror					X	
default-metric value						X
destination-port-list	X					
device-file <PROFILE-NAME>					X	
device-file type {aruba-ap aruba-switch scs-wan-cpe device-name <DEVICE-NAME> associate <PROFILE-NAME> enable disable}					X	
device-profile device-type <DEVICE-NAME> associate <PROFILE-NAME>					X	
device-profile device-type <DEVICE-NAME> disable					X	
device-profile name	X				X	
device-profile type					X	
device-fingerprinting policy <profile-name>	X					
device-fingerprinting timer <time>	X					
device-fingerprinting <port-number> client-limit <limit>	X					
device-fingerprinting <port-number> incoming-clients-only	X					
device-fingerprinting apply policy <profile_name> <port-number>	X					
device-identity name cdp type vlaue	X					

Table Continued

'D' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
dhcp config-file-update			X			
dhcp-lease	X					
dhcp-server					X	
dhcp-server conflict-logging					X	
dhcp-server database [file ASCII-STR] [delay <15-86400>][timeout <0-86400>]					X	
dhcp-server ping [packets <0-10> timeout <0-10>]					X	
dhcp-server ping timeout <1-10>					X	
dhcp-server pool <pool-name>					X	
dhcp-relay option 82...						X
dhcpv6-relay				X		
dhcpv6-relay option 79 <enable disable>					X	
dhcp-snooping			X			
dhcpv6-snooping	X					
dhcpv6-snooping authorized-server <ipv6-address>	X					
dhcpv6-snooping database [file ASCII-STR] [delay <1586400>][timeout <0-86400>]	X					
dhcpv6-snooping max-bindings <port-list> <1-8192>	X					
dhcpv6-snooping trust [ethernet] PORT-LIST	X					
diagnostic-level	X					
disable					X	
disable ripng global				X		
display pki certificate	X					
distance [external ...]				X		X
DLDP			X			
dldp authentication-mode none md5 simple			X			
dldp authentication-password simple			X			
dldp delaydown-timer 1-5			X			
dldp enable disable			X			
dldp interval 1-100			X			

Table Continued

'D' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
dldp unidirectional-shutdown auto manual			X			
distributed-trunking					X	
dns-server <IP-ADDR> [IP-ADDR2 IP-ADDR8]					X	
domain-name <name>					X	
downloadable-role-delete <USER-ROLE-NAME>	X					
dr-priority				X		
drop	X					

'E' commands

'E' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
eap-radius	X					
enable			X		X	X
enable ripng global				X		
encrypt-credentials	X					
encrypted-key	X					
end			X			
erase			X			
erase fdr-log VSF member <i>MEMBER-ID</i> slot mm-active mm-standby current previous					X	
erase flash			X			
erase startup-config					X	
extended	X					

'F' commands

'F' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
failback						X
failover [with-monitoring]						X
fastboot			X			
fault-finder link-flap ethernet <port-list>					X	

Table Continued

'F' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
fault-finder link-flap ethernet <port-list> action warn warn-and-disable SECONDS sensitivity low medium high					X	
fault-finder multicast-storm [action {warn warn-and-disable}] [sensitivity {low medium high}]					X	
fault-finder multicast-storm <PORT-LIST> action {warn warn-and-disable <Seconds>} {percent <Percent> pps <Rate>}					X	
feature-coordinator						
filter source-port	X					
filter source-port named-filter...	X					
flexible-module <MODULE-NUM> {type <J-NUMBER> remove}		X				
flow-control					X	
forbidden		X				
forward 1 drop	X					
forward port-list	X					
front-panel-security	X					

'G' commands

'G' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
graft-retry-interval				X		
gvrp		X				

'H' commands

'H' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
hello-delay <TIME>				X		
hello-interval <INTERVAL>				X		
hibernate <seconds>			X			
hide-sensitive-data	X					
host	X					
hostname			X			

'I' commands

'I' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
icmp	X	X				
icmp-type	X					
icmp-type-name	X					
igmp	X	X				
igmp delayed-flush <time-period>						X
igmp fastlearn <port-list>						X
igmp filter-unknown-mcast						X
igmp-proxy domain-name						X
ignore		X				
ignore connection-rate-filter	X					
ignore-untagged-mac					X	
include-credentials	X					
instrumentation						
instrumentation monitor	X					
interface						
interface loopback			X	X		X
interface <port-list> device-type network-device					X	
interface <port-list> energy-efficient-ethernet					X	
interface <port-list> lacp active					X	
interface <port-list> power-over-ethernet					X	
interface <port-list> speed-duplex auto-100					X	
interface <port-list> private-vlan promiscuous		X				
interface <port-list> <tagged untagged forbid> <vlan svlan <vlan-id-list>		X				
[no] interface <port-list Trk-list> bandwidth-min output queue1_% queue2_% queue3_% queue4_% queue5_% queue6_% queue7_% queue8 strict>					X	

Table Continued

'I' commands		ASG	ATMG	BOG	IPv6	MCG	MRG
	[no] interface <port-list Trk-list> rate-limit queues out percent queue1_ % queue2_% queue3_% queue4_% queue5_ queue6_% queue7_% queue8					X	
	interface speed-duplex					X	
	interface tunnel				X	X	
ip							
	ip access list	X					
	ip access-group	X					
	ip access-group <ACL-ID> in out shared	X					
	ip access-group <ACL-ID> in out vlan- in vlan-out connection-rate-filter shared	X					
	ip arp-age [...]						X
	ip arp-throttle aging-time						X
	ip arp-throttle enable						X
	ip arp-throttle exclude-mac						X
	ip arp-throttle remediation-mode						X
	ip arp-throttle threshold						X
	ip authorized-managers	X					
	ip bootp-gateway ip-addr						X
	ip client-tracker	X					
	ip client-tracker probe-delay	X					
	ip default-gateway			X		X	
	ip directed-broadcast						X
	ip dns domain-name				X	X	
	ip dns server-address				X		
	ip dns server-address priority					X	
	ip forward-protocol udp...						X
	ip helper-address						X
	ip icmp [echo... unreachable redirects]						X
	ip igmp						X
	ip igmp disable						X
	ip igmp enable						X

Table Continued

'I' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
ip igmp fastleave <port-list>						X
ip igmp last-member-query-interval						X
ip igmp lookup-mode						X
ip igmp querier						X
ip igmp query-max-response-time						X
ip igmp robustness						X
ip igmp static-group <group-address>						X
ip igmp version						X
ip irdp [broadcast multicast]						X
ip load-sharing...				X		X
ip local-proxy-arp						X
ip multicast-routing						X
ip ospf ip-addr				X		
ip ospf ip-addr passive				X		
ip ospf [md5-auth-key-chain...]				X		
ip pim-dense						X
ip pim-sparse						X
ip preserve			X			
ip-protocol-nbr	X					
ip-proxy-arp						X
ip-recv-mac		X				
ip rip						X
ip rip authentication-type						X
ip rip md5-auth-key-chain						X
ip rip poison-reverse						X
ip-route...						X
ip-router-id...				X		X
ip-routing						X
ip source-binding	X					
ip source-interface			X			
ip source-interface tunneled-node-server [<IP_ADDRESS IPV6_ADDRESS> <LOOPBACK_INTERFACE> <VLAN_ID>]					X	
ip source-lockdown	X					

Table Continued

'I' commands		ASG	ATMG	BOG	IPv6	MCG	MRG
	ip ssh	X				X	
	ip ssh rekey	X					
	ip timep					X	
	ip ttl			X			
	ip udp-bcast-forward						X
ip-sla							
	ip-sla <ID> clear					X	
	ip-sla <ID> history-size					X	
	ip-sla <ID> icmp-echo [<IP-ADDR> <HOST-NAME>] [source <IP-ADDR> source-interface vlan <VLAN-ID>] [payload-size <SIZE>]					X	
	ip-sla <ID> monitor packet-loss threshold-type [immediate consecutive <COUNT>] action type [trap log trap-log none]					X	
	ip-sla <ID> monitor test-completion action-type [trap log trap-log none]					X	
	ip-sla <ID> monitor threshold-config [rtt srcTodstTime dstToSrcTime] threshold-type [immediate consecutive <COUNT>] threshold-value <UPPER-LIMIT> <LOWER-LIMIT> action-type [trap log trap-log none]					X	
	ip-sla responder					X	
	ip-sla <ID> schedule [now startTime <START-TIME>] [forever stopTime <STOP-TIME> repetitions <NUM>] [frequency <FREQUENCY>]					X	
	ip-sla <ID> tcp-connect [destination [<IP-ADDR> <HOST-NAME>] <PORT-NUM>] [source [<IP-ADDR> <VLAN-ID>] <PORT-NUM>]					X	
	ip-sla <ID> tos <VALUE>					X	
	ip-sla <ID> udp-echo [destination [<IP-ADDR> <HOST-NAME>] <PORT-NUM>] [source <IP-ADDR> <VLAN-ID>] [payload-size <SIZE>]					X	
ipv6							
	[ip ipv6] prefix-list name ...						X

Table Continued

'I' commands		ASG	ATMG	BOG	IPv6	MCG	MRG
	ipv6 access-group <ACL-ID> in out shared	X					
	ipv6 access-group <ACL-ID> in out vlan-in vlan-out connection-rate-filter shared	X					
	ipv6 access-list [ascii-str name-str]				X		
	ipv6 access-list deny-non-classifiable-layer4-header				X		
	ipv6 access-list resequence				X		
	ipv6 address [...]				X		
	ipv6 address dhcp				X		
	ipv6 address fe80:... link-local				X		
	ipv6 address autoconfig				X		
	ipv6 authorized managers	X			X		
	ipv6 dhcp-client authentication				X		
	ipv6 enable				X		
	ipv6 helper-address...				X		
	ipv6 hop-limit...				X		
	ipv6 icmp...				X		
	ipv6 mld send-router-alert				X		
	ipv6 mld send-router-alert default				X		
	ipv6 mld send-router-alert alternative-padding				X		
	ipv6 nd dad-attempts				X		
	ipv6 nd mac-check				X		
	ipv6 nd ra...				X		
	ipv6 nd reachable-time				X		
	ipv6 nd snooping				X		
	ipv6 nd snooping max-binding <PORT-LIST> <1-16384>				X		
	ipv6 nd snooping prefix-list <IPv6-ADDR>				X		
	ipv6 nd snooping trust ethernet <PORT-LIST>				X		
	ipv6 nd snooping vlan <VLAN-ID-RANGE>				X		
	ipv6 nd suppress-ra				X		

Table Continued

‘I’ commands		ASG	ATMG	BOG	IPv6	MCG	MRG
	ipv6 ospf3...				X		
	ipv6 pim6-dense				X		
	ipv6 pim6-sparse				X		
	ipv6 ripng				X		
	ipv6 ra-guard ports...				X		
	ipv6 route...				X		
	ipv6 source-lockdown	X					
	ipv6 source-lockdown [ethernet] <port-list>	X					
	ipv6 source-interface				X		
	ipv6 unicast-routing				X		

‘J’ commands

‘J’ commands		ASG	ATMG	BOG	IPv6	MCG	MRG
	job <JOB NAME> at delay enable disable					X	
	jumbo						
	jumbo max-frame-size					X	
	jumbo ip-mtu size					X	

‘K’ commands

‘K’ commands		ASG	ATMG	BOG	IPv6	MCG	MRG
	key	X					
	keysize	X					
	key-chain	X					
	kill			X		X	

‘L’ commands

‘L’ commands		ASG	ATMG	BOG	IPv6	MCG	MRG
	lacp					X	
	lacp min-active-links <value>					X	
	lacp enable-timer <value>					X	
	lan-prune-delay				X		

Table Continued

'L' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
lease [DD:HH:MM infinite]					X	
licenses					X	
link					X	
link-keepalive interval					X	
link-keepalive mode [verify-then-forward forward-then-verify]					X	
link-keepalive retries					X	
link-keepalive vlan vid					X	
lldp admin-status					X	
lldp admin-status oobm					X	
lldp config <port-list> basicTlvEnable TLV-Type					X	
lldp config <port-list> dot1TlvEnable port-vlan-id					X	
lldp config <port-list> dot3TlvEnable eee_config					X	
lldp config <port-list> dot3TlvEnable macphy_config					X	
lldp config <port-list> dot3TlvEnable poe_config					X	
lldp config <port-list> dot3TlvEnable poeplus_config					X	
lldp config <port-list> ipAddrEnable ip-address					X	
lldp config <port-list> medPortLocation Address-Type					X	
lldp config <port-list> medTlvEnable medTlv					X	
lldp config <PORT_NUM>					X	
lldp config <PORT_NUM> basicTlvEnable management_addr					X	
lldp enable-notification					X	
lldp enable-notification oobm					X	
lldp fast-start-count					X	
lldp holdtime-multiplier					X	
lldp refresh-interval					X	
lldp run					X	

Table Continued

'L' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
lldp top-change-notify port-list					X	
lockout-mac	X					
log						
log-off period	X					
logging					X	
logging filter deny					X	
logging filter enable					X	
logging ip-address					X	
logging <IP-ADDR> filter <FILTER-NAME>	X					
logging filter <NAME>	X					
logging priority description					X	
logging severity					X	
logging syslog-ipv4-address				X		
logging system-module					X	
loop-protect		X				

'M' commands

'M' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
MAC port-list	X					
mac-access-group <ACL-ID> in	X					
mac-access-group <ACL-ID> in out shared	X					
mac-access-list extended	X					
mac-access-list resequence	X					
mac-access-list standard	X					
mac-address	X					
mac-age-time			X			
mac-based	X					
mac-count-notify traps					X	
mac-delimiter {default colon hyphen oui-nic none}	X					
mac-notify traps					X	
MACSec	X					
management-vlan		X				

Table Continued

'M' commands		ASG	ATMG	BOG	IPv6	MCG	MRG
manager		X					
map-traffic-group <queue-num> priority <priority> [name <namestring>]			X				
match			X				
	match interface...						X
	match [ip ipv6] next-hop...						X
	match [ip ipv6] route-source...						X
	match metric value						X
	match route-type external...						X
	match source-protocol...						X
	match tag value						X
match ignore <alias-src> <alias-dst> <alias-srvc>			X				
max-bindings		X					
max-graft-retries					X		
max-requests		X					
max-retries		X					
max-vlans			X				
menu				X			
mesh			X				
mirror						X	
	mirror endpoint ip					X	
mirror-port						X	
mld reload					X		
module <MODULE-NUM> type <MODULE-TYPE>						X	
module slot						X	
module-type						X	
monitor all						X	
monitor ip access-group						X	
monitor mac						X	
mvrp {enable disable}			X				
mvrp join-timer			X				
mvrp leave-timer			X				
mvrp leaveall-timer			X				

Table Continued

'M' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
mvrp periodic timer		X				
mvrp periodic-timer-enable		X				
mvrp registration		X				

'N' commands

'N' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
nacl	X					
name					X	
netbios-name-server <IP-ADDR-STR> [IP-ADDR2 IP-ADDR8]					X	
netbios-node-type [broadcast hybrid mixed peer-to-peer]					X	
netdestination <NAME-STR> [host <IP-ADDR> [position <NUM>] network <IP-ADDR/MASK-LENGTH> [position <NUM>]]	X					
netedit-update	X					
netservice <NAME-STR> {tcp udp <PROTOCOL>} [<PORT-NUM> <PORT-NUM> list <PORT-STR>]	X					
network <ip-addr/mask-lenght>					X	
network ipv4/mask [route-map route-map-name]						X
no aaa authentication captive-portal enable	X					
no aaa authentication captive-portal profile <PROFILE-STR> [url <URL-STR>]	X					
no aaa authentication captive-portal profile <NON_EXISTING_PROFILE>	X					
no aaa authentication captive-portal url-hash-key	X					
no aaa authorization user-role enable	X					
no aaa authorization user-role name <ROLE1>	X					
no aaa authorization user-role enable download	X					
[no] aaa port-access local-mac apply user-role <Role-Name> [mac-oui <MAC-OUI> mac-mask <MAC-MASK> mac-addr <MAC-ADDR> mac-group <MAC-GROUP-NAME>]	X					

Table Continued

'N' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
no bgp router id						X
no dhcp-relay hop-count-increment						X
no ip client-tracker	X					
no ip client-tracker probe-delay	X					
no netdestination <NAME-STR> {host <IP-ADDR> [position <NUM>] network <IP-ADDR/MASK-LENGTH> [position <NUM>]}	X					
no netservice <NAME-STR> {tcp udp <PROTOCOL>} [<PORT-NUM> <PORT-NUM> list <PORT-STR>]	X					
no policy user <POLICYNAME>	X					
no radius-server tracking dead-server-only	X					
no radius-server tracking request-packet-count	X					
no radius-server cppm identity <IDENTITY>	X					
no track						X
no vlan-id-tagged [<VLAN-ID> <VLAN-STR>]	X					
no vlan-id <VLAN-ID>	X					
ntp					X	
ntp authentication					X	
ntp enable					X	
ntp ipv6-multicast					X	
ntp max-associations					X	
ntp server					X	
ntp trap	X				X	
null-auth-compatibility						X
num-attempts	X					

'O' commands

'O' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
oobm					X	
oobm enable					X	
oobm interface					X	

Table Continued

'O' commands		ASG	ATMG	BOG	IPv6	MCG	MRG
	oobm interface speed-duplex					X	
	oobm ip address					X	
	oobm ip default-gateway <IP-ADDR>					X	
	oobm ipv6 default-gateway <IPV6-ADDR>					X	
	oobm member <MEMBER-ID> ipv6 default-gateway <IPV6-ADDR>					X	
	opacity-shields	X					
	operator	X					
	option <CODE> {ascii <ascii-string> hex <hex-string> ip <IP-ADDR-STR>[IP-ADDR2 ... IP-ADDR8]}					X	
	override-interval				X		

'P' commands

'P' commands		ASG	ATMG	BOG	IPv6	MCG	MRG
	papi-security					X	
	password all	X					
	password complexity	X					
	password composition	X					
	password configuration	X					
	password configuration-control	X					
	password manager	X					
	password non-plaintext-sha256	X					
	password port-access	X					
	password recovery	X					
	ping					X	
	ping6				X	X	
	policy		X				
	policy mirror					X	
	policy user <POLICY-NAME>	X					
	policy resequence <POLICYNAME> <START><INCREMENT>	X					
	port-access	X					
	port-security <port-numbers> disable-timer <seconds>	X					

Table Continued

'P' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
port status					X	
power						
power-over-ethernet pre-std-detect					X	
power-over-ethernet redundancy					X	
power-over-ethernet threshold					X	
power slot <SLOT-LIST> threshold <1-99> optional-parameters power-over-ethernet VSF member <MEMBER-ID>					X	
preempt-delay-time ...						X
preempt-mode						X
primary-ip-address [ip-address lowest]						X
primary-vlan		X				
priority 1-254						X
process-tracking <TIME> slot <SLOT-LIST> <TIME>					X	
propagation-delay <INTERVAL>				X		
proxy exception ip host {ip-addr/mask- length hostname}					X	
proxy server <http://<ip-addr/FQDN>:port number>					X	
ptp [enable disable]					X	

'Q' commands

'Q' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
qinq		X				
qos		X				
qos queue-config traffic-template <template-name>		X				
qos traffic-template <template-name>		X				
qos traffic-template <template-name> <copy-from-name>		X				
qos trust [default dot1p dscp ip-prec none device [none <DEVICE-TYPE>]]		X				
qos dscp-map <CODEPOINT> priority <PRIORITY> [name <NAME> default legacy]		X				

'R' commands

'R' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
radius host <ip-address> [oobm]	X					
radius-server cppm identity <IDENTITY> key <KEY>	X					
radius-server dead-time	X					
radius-server host <IP-ADDR IPV6-ADDR FQDN>	X				X	
radius-server host <IP-ADDR IPV6-ADDR FQDN> key <server-specific key-string>	X					
radius-server host <IP-ADDR IPV6-ADDR FQDN> key <pre-shared-key>	X					
radius-server host <IP-ADDR IPV6-ADDR FQDN> key <pre-shared-key> clearpass	X					
radius-server key <global key-string>	X					
radius-server tracking dead-servers-only	X					
radius-server tracking <enable disable> [...]	X					
radius-server tracking request-packet- count <PACKET-COUNT>	X					
radius-server tracking user-name [...]password[...]	X					
range <IP-ADDR>[<IP-ADDR>]					X	
rate-limit					X	
rate-limit unknown-unicast in kbps					X	
rate-limit unknown-unicast in percent					X	
redo			X			
redundancy active-management					X	
redundancy active-management management- module1 management-module2 standby					X	
redundancy fabric-module					X	
redundancy management-module					X	
redundancy preferred-active-management {management-module1 management-module2}					X	
redundancy rapid-switchover					X	
redundancy switchover					X	
reload					X	

Table Continued

'R' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
reload after			X			
reload at			X			
reload module <SLOT-LIST>					X	
rename config			X			
repeat			X		X	
restart strict-lsa				X		
restrict [...] ip-addr ...						X
rfc1583-compatibility						X
rmonlog-set-threshold <percentage>						X
rogue-ap-isolation action					X	
rogue-ap-isolation disable					X	
rogue-ap-isolation enable					X	
rogue-ap-isolation whitelist					X	
route-map ...				X		
router ospf3 [redistribute default-metric area] ...				X		
router ospf [...]				X		
router ospf default-metric...				X		
router ospf metric-type [...]				X		
router ospf redistribute				X		
router ospf restrict				X		
router [ospf ospfv3] reference-cost						X
router pim						X
router pim join-prune-interval						X
router pim PSR candidate						X
router pim rp-threshold						X
router pim spt-threshold						X
router pim state-refresh...						X
router pim trap						X
router pim6 [...]						X
router rip [...]						X
router ripng				X		
router ripng default-metric <1-15>				X		
router ripng distance <1-255>				X		

Table Continued

'R' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
router ripng redistribute				X		
router ripng timers				X		
router ripng timers update <5-65535>				X		
router ripng trap				X		
router rip redistribute [...]						X
router vrrp [ipv4 ipv6] ...						X
router vrrp traps						X
rp-candidate...						X
rpf-override...						X

'S' commands

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
savepower flexible-module <SLOT-ID>		X				
savepower flexible-module <SLOT-ID> member <STACK-MEMBER>		X				
savepower module <SLOT-LIST> all					X	
setmib hpIcmpRateLimitPortAlarmflag					X	
setmib lldpTxDelay.0 -i					X	
setmib lldpReinitDelay					X	
setmib lldpnotificationinterval.0 -i					X	
session interactive-mode			X			
session show-message-type			X			
set metric value						X
set metric-type external...						X
set tag value						X
sflow receiver-instance destination ip- address					X	
show access-list ACL-NAME-STR config config ports radius resources tunnel TUNNEL-ID vlan VLAN-ID]	X					
show access-list port <port-list>	X					
show access-list ports <port-list> all	X					
show access-list radius	X					
show access-list resource	X					

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show accounting sessions	X					
show access-list vlan <vlan-id> all	X					
show activate software-update					X	
show activate-provision					X	
show amp-server					X	
show arp					X	
show aruba-central					X	
show authentication	X					
aaa authentication mac-based	X					
show authorization group <groupname>	X					
show authentication locked-out-users					X	
show autorun					X	
show bandwidth output					X	
show bandwidth output <port-list Trk-list>					X	
show banner			X			
show bfd						X
show boot-history					X	
show boot-history VSF member <VSF-MEMBER-LIST>					X	
show cable-diagnostic-result					X	
show captive-portal	X					
show captive-portal profile	X					
show cdp					X	
show cdp neighbors					X	
show cfg-restore					X	
show class					X	
show class mac class-name		X				
show class ports port-list		X				
show class vlan vlan-id		X				
show config	X		X		X	
show config files			X			
show config interface			X			
show console			X			

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show copp		X				
show cpu <seconds>					X	
show cpu process slot <SLOT-LIST> refresh <COUNT>					X	
show crypto ipsec				X		
show crypto pki local-certificate	X					
show crypto pki ta-profile <profile- name>	X					
show device-identity <LLDP>	X					
show device-profile config					X	
show device-fingerprinting profile-name <profile_name>	X					
show device-fingerprinting active	X					
show device-fingerprinting client-status	X					
show device-fingerprinting client- details	X					
show dhcp-relay						X
show dhcp-relay bootp-gateway...						X
show dhcp-server binding					X	
show dhcp-server database					X	
show dhcp-server pool <pool-name>					X	
show dhcp-server statistics					X	
show dhcp-snooping binding		X				
show dhcp-snooping binding private-vlan		X				
show dhcpv6-relay					X	
show dhcpv6-snooping	X					
show dhcpv6-snooping bindings	X					
show dhcpv6-snooping stats	X					
show distributed-trunking consistency- parameters global					X	
show distributed-trunking consistency- parameters global feature <feature>						X
show distributed-trunking consistency- parameters global feature pim-sm					X	
show distributed-trunking peer-keepalive					X	
show dldp statistics <port-list>			X			

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show fault-finder broadcast-storm [<ethernet> port-list]					X	
show fault-finder link-flap ethernet <port-list>					X	
show flash			X		X	
show gvrp		X				
show hash					X	
show igmp					X	
show igmp delayed-flush						X
show distributed-trunking					X	
show igmp filter-unknown-mcast						X
show igmp-proxy [...]						X
show interfaces [<port-list>] smartrate					X	
show interface <PORT-NUMBER>					X	
show interfaces all					X	
show interfaces [brief ... config custom ... display port-utilization transceiver ... status ... tunnel... [ethernet] PORT-LIST]	X					
show interfaces brief					X	
show interfaces config					X	
show interfaces custom					X	
show interfaces-display					X	
show interfaces queues... config custom ... display port-utilization transceiver... status... tunnel... ethernet PORT-LIST		X				
show interfaces {brief config <PORT- LIST>}					X	
show interfaces status					X	
show interfaces transceivers					X	
show interfaces trunk-utilization					X	
show interfaces tunnel TUNNEL-LIST TUNNEL-NAME brief type					X	
show interfaces tunnel type vxlan statistics TUNNELIFINDEX TUNNELNAME		X				
show [ip ipv6 prefix-list] ...						X

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show ip	X					
show ip arp-throttle						X
show ip forward-protocol						X
show ip igmp					X	X
show ip igmp config						X
show ip igmp [config group IP-ADDR groups vlan <VLAN-ID> statistics VLAN-						X
show ip igmp groups						X
show ip igmp statistics						X
show ip igmp vlan <vid> group <group- address>						X
show ip igmp vlan group port						X
show ip igmp vlan group source						X
show ip igmp vlan <vid> config						X
show ip igmp [vlan <vid>]						X
show ip igmp vlan <vid> counters						X
show ip igmp vlan <vid> statistics						X
show ip mroute [...]						X
show ip ospf				X		X
show ip ospf area [...]				X		
show ip ospf external-link-state				X		
show ip ospf general				X		
show ip ospf interface [vlan ...]				X		
show ip ospf neighbor				X		
show ip ospf restrict				X		
show ip ospf spf-log [...]				X		
show ip ospf statistics				X		
show ip ospf virtual-link [...]				X		
show ip ospf3				X		
show ip pim						X
show ip pim neighbors						X
show ip pim rpf-override ...						X
show ip rip						X
show ip rip interface						X

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show ip route			X			X
show ip route static						X
show ip source-interface			X			
show ip ssh	X					
show ip-sla <ID>					X	
show ip-sla <ID> history					X	
show ip-sla <ID> message-statistics					X	
show ip-sla responder					X	
show ip-sla responder statistics					X	
show ipv6				X		
show ipv6 dhcp-client				X		
show ipv6 helper-address ...				X		
show ipv6 mld ...				X		
show ipv6 nd				X		
show ipv6 nd ra				X		
show ipv6 nd snooping				X		
show ipv6 nd snooping bindings				X		
show ipv6 nd snooping statistics				X		
show ipv6 neighbors				X		
show ipv6 ospf3 security				X		
show ipv6 pim6 [...]				X		
show ipv6 ripng general				X		
show ipv6 ripng interface				X		
show ipv6 ripng peer				X		
show ipv6 ripng redistribute				X		
show ipv6 ripng traps				X		
show ipv6 route				X		
show ipv6 route ripng				X		
show ipv6 route summary				X		
show ipv6 routers				X		
show ipv6 source-lockdown	X					
show ipv6 source-lockdown [bindings status]	X				X	
show ipv6 vlan [...]				X		

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show job					X	
show job <JOB NAME>					X	
show jumbos					X	
show key-chain						X
show lacp					X	
show lacp counters					X	
show lacp [distributed]					X	
show lacp local					X	
show lacp min-active-links					X	
show lacp peer					X	
show link-keepalive					X	
show link-keepalive statistics					X	
show lldp config					X	
show lldp info					X	
show lldp info local-device					X	
show lldp info remote-device	X				X	
show lldp info loc <i>port-num</i>					X	
show lldp info remote <i>port-num</i>					X	
show lldp stats					X	
show log tftp					X	
show logging		X			X	
show logging filter	X					
show mac-address [...]					X	
show mac-address detail [...]					X	
show mac-count-notify traps					X	
show macsec policy <i>policy-name</i>	X					
show macsec statistics <i>port-num</i>	X					
show macsec status	X					
show macsec status <i>port-num</i>	X					
show macsec statistics <i>port-num</i> detail	X					
show management					X	
show modules					X	
show modules details VSF member <MEMBER-ID> MM1 MM2 slot <SLOT-LIST>					X	

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show monitor					X	
show mvrp		X				
show mvrp config		X				
show mvrp state		X				
show mvrp statistics		X				
show name					X	
show net-destination <NAME-STR>	X					
show ntp associations					X	
show ntp associations detail					X	
show ntp authentication					X	
show ntp servers					X	
show ntp statistics					X	
show ntp status					X	
show oobm					X	
show oobm arp					X	
show oobm discovery					X	
show oobm ip					X	
show oobm ipv6					X	
show oobm ipv6 member <MEMBER-LIST>					X	
show oobm ipv6 member <MEMBER-ID>					X	
show oobm VSF member <VSF-MEMBER-LIST>					X	
show proxy config	X	X	X	X	X	X
show policy					X	
show policy <i>policy-name</i>		X				
show policy ports <i>port-list</i>		X				
show policy resources		X				
show policy vlan <i>vlan-id</i>		X				
show port-access [...]	X				X	
show port-access authenticator clients <port-list>	X					
show port-access authenticator clients <port-list> detailed	X					
show port-access cdp	X					
show port-access cdp-bypass config	X					

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show port-access cdp-bypass clients	X					
show port-access clients <port-number> detailed	X				X	
show port-access config	X					
show port-access local-mac	X					
show port-access local-mac active	X					
show port-access local-mac association	X					
show port-access local-mac config	X					
show port-access local-mac config <port- list> detailed	X					
show port-access local-mac mac-group	X					
show port-access local-mac <port-number>	X					
show port-access local-mac <port-number> client [detailed]	X					
show port-access local-mac profile	X					
show port-access local-mac profile provisioned	X					
show port-access macbased clients	X					
show port-access mac-based config <port- list>	X					
show port-access mka status <port-num>	X					
show port-access mka status statistics	X					
show port-access web-based clients <port-list>					X	
show port-access web-based clients <port-list> detailed	X					
show port-security	X					
show port-security intrusion-log					X	
show power-over-ethernet [brief [ethernet] <port-list> slot <SLOT-ID- RANGE>]					X	
show pow [brief <port-list>]					X	
show preview-mode features			X			
show qos		X			X	
show qos queue-config		X				
show qos resources		X				

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show qos traffic-template <template-name>		X		X		
show qos traffic-template default-tcgt		X				
show qos trust [device] <PORT>		X				
show radius authentication	X					
show radius dyn-authorization	X					
show radius accounting	X					
show rate-limit all					X	
show rate-limit icmp					X	
show rate-limit queues <port-list Trk-list>					X	
show rate-limit unknown-unicast					X	
show redundancy					X	
show reload			X			
show run				X		
show running-config	X	X	X	X	X	
show running-config interface			X			
show running-config oobm					X	
show running-config router rip bgp ospf ospf3 vrrp ripng				X		
show running-config vlan <id>				X		
show savepower			X			
show security-logging	X					
show servers					X	
show session			X			
show sflow					X	
show sflow agent					X	
show sflow sampling-polling					X	
show snmp					X	
show snmp-server	X				X	
show snmp-server community					X	
show snmp-server <COMMUNITY-STR>					X	
show snmp-server <COMMUNITY-STR> traps				X		
show snmp-server traps					X	

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show snmpv3 user					X	
show sntp					X	
show spanning-tree					X	
show stack		X				
show startup-config					X	
show statistics					X	
show statistics aclv4 my-acl port al out	X					
show statistics mac ACL-NAME-STR vlan VLAN-ID in out vlan	X					
show statistics mac ACL-NAME-STR port PORT-NUM	X					
show statistics policy POLICY-NAME-STR port PORT-NUM		X				
show statistics policy POLICY-NAME vlan VLAN-ID		X				
show switch-interconnect					X	
show syslog configuration	X					
show system					X	
show system chassislocate					X	
show system fans					X	
show system chassislocate VSF member <VSF-MEMBER-LIST>					X	
show system fans VSF member <VSF-MEMBER-LIST>					X	
show system information			X		X	
show system port member <MEMBER-ID>					X	
show system post <SLOT>					X	
show system post vsf member <MEMBER-ID>					X	
show system power-supply					X	
show system power-supply [detailed fahrenheit]					X	
show system temperature VSF member <VSF-MEMBER-LIST>					X	
show tacacs host <ip-addr ipv6-addr>	X					
show tcp-push-preserve		X				
show tech					X	

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show tech all		X				
show tech custom					X	
show tech dldp			X			
show tech ip-sla					X	
show tech macsec status statistics	X					
show tech mvrp		X				
show tech transceivers					X	
show telnet				X		
show timep				X	X	
show trunks					X	
show trunks load-balance interface trunk-id mac src-addr dest-addr [ip src-addr dest-addr [src-tcp-port src-udp-port [dest-tcp-port dest-udp-port]]] inbound-port port num					X	
show tunneled-node-server {information statistics <UAP> state}					X	
show tunneled-node-users {all count down mac<MAC-ADDR> port<PORT-ADDR> up}					X	
show uplink-failure-detection					X	
show usb-port					X	
show user-role <ROLE-NAME>[detailed downloaded]	X					
show version			X			
show vlan isolate-list						X
show vlan <reserved-vid>					X	
show vlans	X	X			X	
show vlans ports					X	
show vlans private-vlan		X				
show vlans private-vlan promiscuous-ports		X				
show vlans VLAN-ID[...]	X	X				
show vrrp					X	X
show vrrp config global...						X
show vrrp [ipv6] config [global]						X
show vrrp [ipv6] vlan...						X

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
show vrrp [ipv6] vlan vid vrid ... statistics						X
show vrrp ipv6 summary						X
show vrrp summary						X
show vrrp ipv6 statistics						X
show vrrp statistics						X
show vsf					X	
show VSF link					X	
show vsf link utilization					X	
show VSF lldp-mad parameters status					X	
show vsf member <member-ID> link <link-ID> load-balance					X	
show vsf member <member-ID> link <link-ID> detailed					X	
show vsf topology					X	
show vsf topology change-history					X	
show vsf topology detail					X	
show vsf vlan-mad					X	
show vxlan		X				
show web-management			X			
snmpv3						
snmpv3 notify					X	
snmpv3 targetaddress				X	X	
snmp-server	X					
snmp-server <contact location>			X			
snmp-server enable traps					X	
snmp-server enable traps dhcp-server					X	
snmp-server enable traps dhcpv6-snooping [out-of-resources errant-reply]	X					
snmp-server enable traps dyn-ipv6-lockdown	X					
snmp-server enable traps dyn-ipv6-lockdown [out-of-resources violations]	X					
snmp-server enable traps link-change					X	

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
snmp-server enable traps mac-count-notify					X	
snmp-server enable traps nd-snooping out-of-resources violations				X		
snmp-server host				X		
snmp-server response-source					X	
snmp-server trap-source					X	
sntp					X	
sntp server priority...				X		
spanning tree		X				
spanning-tree instance <1-64>		X				
spanning-tree instance <1-64> ethernet <PORT-LIST>		X				
spanning-tree instance <i>ist</i> <1-64>		X				
spanning-tree instance <i>ist</i> <1-64> vlan <VLAN-ID>		X				
spanning-tree log state-transitions instance <1-64> <i>ist</i> vlan		X				
speed-duplex					X	
spf-throttle start-interval						X
stack		X				
stacking member <STACK-MEMBER> flexible-module <MODULE-NUM> remove		X				
stacking member <STACK-MEMBER> flexible-module <MODULE-NUM> type <J-NUMBER>		X				
startup-default			X			
static		X				
static-bind ip <IP-ADDR/MASK-LENGTH> mac <MAC-ADDR>					X	
static-vlan		X				
svlan		X				
switch-interconnect [<port-list> <trk1 trk2 ...trkN>]					X	
sys-debug acl	X					
sys-debug <DESTINATION> [logging buffer]						X

Table Continued

'S' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
sys-debug <FILTER-TYPE> <FILTER-OPTIONS>	X					X
sys-debug ip fib blackhole						X

'T' commands

'T' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
tacacs	X					
tacacs-server	X					
tacacs-server host ip-address					X	
tacacs-server-key	X					
TACACS AAA	X					
task-monitor						
task-monitor cpu					X	
tcp	X					
tcp-push-preserve		X				
telnet		X	X			
telnet global-unicast-addr				X		
telnet ip-address					X	
telnet link-local-addr				X		
telnet-server			X		X	
telnet-server [listen...]				X		
test cable-diagnostics					X	
tftp						
tftp client				X	X	
tftp local-certificate	X					
tftp ta-certificate	X					
tftp-server server-ip <ip-address>					X	
tftp-server [server-name <server-name> server-ip <ip-address>]					X	
time			X			
time daylight-time-rule			X			
time timezone			X			
timesync				X	X	
timesync ntp					X	

Table Continued

'T' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
timesync timep					X	
traceroute					X	
traceroute6					X	
traceroute6 [ipv6-addr hostname]				X		
traceroute6 [link-local-addr...]				X		
track interface						X
track vlan...						X
trap [trap-name all]						X
trunk <port-list> <trk1 trk2 ...trkN> [trunk lacp dt-lacp dt-trunk]					X	
trunk settings					X	
trunk-load-balance					X	
tunnel destination				X		
tunnel destination <IP-ADDR IPV6-ADDR>					X	
tunnel id				X		
tunnel mode				X		
tunnel mode unspecified 6in4 vxlan		X				
tunnel mtu				X		
tunnel-node server[...]	X					
tunneled-node-server-redirect {secondary-role <ROLE-NAME>}					X	
tunnel source				X		
tunnel source <IP-ADDR>					X	
tunnel tos				X		
tunnel ttl				X		

'U' commands

'U' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
udp	X					
unauthentication request	X					
unauth-redirect	X					
unauth-vid	X					
usb port					X	

Table Continued

'U' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
user-role vlan-id-tagged [<VLAN-ID> <VLAN-STR>]	X					
user-role vlan-id <VLAN-ID>	X					
uplink-failure-detection					X	

'V' commands

'V' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
verify signature flash	X					
virtual-ip-address ip-addr						X
virtual-ip-ping enabled						X
virtual-network VN-ID VLAN-ID VN-NAME					X	
vlan <vid>					X	
vlan <vid> igmp						X
vlan <vid> isolate-list						X
vlan <vid> ip igmp						X
vlan <vid> ip igmp fastleave <port-list>						X
vlan <vid> ip igmp forcedfastleave <port-list>						X
vlan <vid> ip igmp querier						X
vlan <vid> ip igmp query interval <Query-interval time>						X
vlan <vid> ip igmp static-group <group-address>						X
vlan <vid> ip ospf						X
vlan <vid> ip pim-dense						X
vlan <vid> ip pim-sparse						X
vlan <vid> ipv6 access-group				X		
vlan <vid> ipv6 ospf3				X		
vlan <vid> ipv6 ripng				X		
vlan <vid> jumbo					X	
vlan <vid> private-vlan isolated <vid> community VLAN-ID-LIST		X				
vlan <vid> private-vlan primary		X				
vlan <vid-list>		X				
vlan-id <VLAN-ID>					X	

Table Continued

'V' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
vlan-id-tagged {<VLAN-ID> <VLAN-STR>}					X	
vrrp ipv6 vrid						X
vrrp vrid						X
vsf port-speed <Speed>					X	
vsf sequence-reboot {primary secondary}					X	
vsf vlan-mad <VLAN-ID>					X	
vxlan disable		X				
vxlan enable		X				
vxlan tunnel <TUNNEL-ID> overlay-vlan <VLAN-ID-LIST>		X				
vxlan udp <PORT-NUM>		X				

'W' to 'Z' commands

'W' to 'Z' commands	ASG	ATMG	BOG	IPv6	MCG	MRG
walkmib ifPhysAddress					X	
web-based config	X					
web-management			X		X	
web-management ssl	X					
write memory			X			
write terminal			X		X	
zone-service-policy		X				

Networking Websites

Hewlett Packard Enterprise Networking Information Library

www.hpe.com/networking/resourcefinder

Hewlett Packard Enterprise Networking Software

www.hpe.com/networking/software

Hewlett Packard Enterprise Networking website

www.hpe.com/info/networking

Hewlett Packard Enterprise My Networking website

www.hpe.com/networking/support

Hewlett Packard Enterprise My Networking Portal

www.hpe.com/networking/mynetworking

Hewlett Packard Enterprise Networking Warranty

www.hpe.com/networking/warranty

General websites

Hewlett Packard Enterprise Information Library

www.hpe.com/info/EIL

For additional websites, see [Support and other resources](#).

Accessing Hewlett Packard Enterprise Support

- For live assistance, go to the Contact Hewlett Packard Enterprise Worldwide website:
<http://www.hpe.com/assistance>
- To access documentation and support services, go to the Hewlett Packard Enterprise Support Center website:
<http://www.hpe.com/support/hpesc>

Information to collect

- Technical support registration number (if applicable)
- Product name, model or version, and serial number
- Operating system name and version
- Firmware version
- Error messages
- Product-specific reports and logs
- Add-on products or components
- Third-party products or components

Accessing updates

- Some software products provide a mechanism for accessing software updates through the product interface. Review your product documentation to identify the recommended software update method.
- To download product updates:
Hewlett Packard Enterprise Support Center
www.hpe.com/support/hpesc
Hewlett Packard Enterprise Support Center: Software downloads
www.hpe.com/support/downloads
Software Depot
www.hpe.com/support/softwaredepot
- To subscribe to eNewsletters and alerts:
www.hpe.com/support/e-updates
- To view and update your entitlements, and to link your contracts and warranties with your profile, go to the Hewlett Packard Enterprise Support Center **More Information on Access to Support Materials** page:
www.hpe.com/support/AccessToSupportMaterials



IMPORTANT: Access to some updates might require product entitlement when accessed through the Hewlett Packard Enterprise Support Center. You must have an HPE Passport set up with relevant entitlements.

Customer self repair

Hewlett Packard Enterprise customer self repair (CSR) programs allow you to repair your product. If a CSR part needs to be replaced, it will be shipped directly to you so that you can install it at your convenience. Some parts do not qualify for CSR. Your Hewlett Packard Enterprise authorized service provider will determine whether a repair can be accomplished by CSR.

For more information about CSR, contact your local service provider or go to the CSR website:

<http://www.hpe.com/support/selfrepair>

Remote support

Remote support is available with supported devices as part of your warranty or contractual support agreement. It provides intelligent event diagnosis, and automatic, secure submission of hardware event notifications to Hewlett Packard Enterprise, which will initiate a fast and accurate resolution based on your product's service level. Hewlett Packard Enterprise strongly recommends that you register your device for remote support.

If your product includes additional remote support details, use search to locate that information.

Remote support and Proactive Care information

HPE Get Connected

www.hpe.com/services/getconnected

HPE Proactive Care services

www.hpe.com/services/proactivecare

HPE Proactive Care service: Supported products list

www.hpe.com/services/proactivecaresupportedproducts

HPE Proactive Care advanced service: Supported products list

www.hpe.com/services/proactivecareadvancedsupportedproducts

Proactive Care customer information

Proactive Care central

www.hpe.com/services/proactivecarecentral

Proactive Care service activation

www.hpe.com/services/proactivecarecentralgetstarted

Warranty information

To view the warranty information for your product, see the links provided below:

HPE ProLiant and IA-32 Servers and Options

www.hpe.com/support/ProLiantServers-Warranties

HPE Enterprise and Cloudline Servers

www.hpe.com/support/EnterpriseServers-Warranties

HPE Storage Products

www.hpe.com/support/Storage-Warranties

HPE Networking Products

www.hpe.com/support/Networking-Warranties

Regulatory information

To view the regulatory information for your product, view the *Safety and Compliance Information for Server, Storage, Power, Networking, and Rack Products*, available at the Hewlett Packard Enterprise Support Center:

www.hpe.com/support/Safety-Compliance-EnterpriseProducts

Additional regulatory information

Hewlett Packard Enterprise is committed to providing our customers with information about the chemical substances in our products as needed to comply with legal requirements such as REACH (Regulation EC No 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be found at:

www.hpe.com/info/reach

For Hewlett Packard Enterprise product environmental and safety information and compliance data, including RoHS and REACH, see:

www.hpe.com/info/ecodata

For Hewlett Packard Enterprise environmental information, including company programs, product recycling, and energy efficiency, see:

www.hpe.com/info/environment

Documentation feedback

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