

## ArubaOS-Switch Software Feature Support Matrix 16.10

KB/WC/YC/YA-YB Switches (minimum firmware versions)

Software Features Firmware Prefix	2530 YA/YB	2540 YC	2930F WC	2930M WC	3810M KB	5400R KB
<b>Bridging</b>						
Data Link Detection Protocol (DLDP)	YA.15.17/YB.15.17	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.17
Distributed Trunking PIM-DM	n/a	n/a	n/a	n/a	KB.16.01	KB.15.17
Distributed Trunking PIM-SM	n/a	n/a	n/a	n/a	KB.16.01	KB.15.18
Distributed Trunking Primary/Secondary Configuration	n/a	n/a	n/a	n/a	KB.16.01	KB.15.15
Distributed Trunking Switch to Server	n/a	n/a	n/a	n/a	KB.16.01	KB.15.15
Distributed Trunking Switch to Switch	n/a	n/a	n/a	n/a	KB.16.01	KB.15.16
GVRP	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
LACP (802.3ad)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
LACP Key for Controlling Dynamic Trunk Configuration	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
LACP Trunk Load Balancing Information Output	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
LLDP (802.1ab)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
LLDP MED (Media Endpoint Discovery)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
LLDP PoE+ Support	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
LLDP 802.3bt Support	n/a	n/a		WC.16.07.0002 (only for two SKUs)	n/a	n/a
LLDP over OOBM	n/a	n/a	n/a	WC.16.04.0004	KB.16.01	KB.16.01
LLDP TLV	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Loop Protection	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
MAX VLANs: 512	YA.15.10/YB.15.12	YC.16.02.0012	n/a	n/a	n/a	n/a
MAX VLANs: 2K	n/a	n/a	WC.16.02.0003	WC.16.04.0004	n/a	n/a
MAX VLANs: 4K	n/a	n/a	n/a	n/a	KB.16.01	KB.16.01
Meshing: Concurrent Meshing and Routing	n/a	n/a	n/a	n/a	KB.16.01	KB.15.15
Meshing: Mesh ID Configuration	n/a	n/a	n/a	n/a	KB.16.01	KB.15.15
Meshing: Switch Meshing	n/a	n/a	n/a	n/a	KB.16.01	KB.15.15
MVRP: Multiple VLAN Registration Protocol	YA.16.01/YB.16.01	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
Object tracking for Uplink Failure Detection	n/a	YC.16.08.0001	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
Q-in-Q	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Single Instance (802.1d-1998)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
SmartLink	YA.15.14/YB.15.14	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Spanning tree: BPDU Filtering	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Spanning tree: BPDU Protection	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Spanning tree: Fast Mode	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Spanning tree: Loop Guard	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Spanning tree: Multiple STP (802.1s Standards Compliant)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Spanning tree: 64 MSTP instances	n/a	n/a	n/a	n/a	KB.16.01	KB.16.01
Spanning tree: PVST Protection and Filtering	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Spanning tree: PVST+ Compatibility	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Spanning tree: Rapid STP (802.1w Standards Compliant)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Spanning tree: Root Guard	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Specifying minimum active links for LACP	n/a	YC.16.08.0001	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
Trunking: Enable using TCP/UDP Port Numbers for Trunk Load-Balancing	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Trunking: Link Aggregation	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
UDLD: Uni-Directional Link Detection	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15

UDLD: Verify Before Forwarding	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.16
UFD: Uplink Failure Detection	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
VxLAN	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
Wake-on-LAN for a Specific VLAN	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
<b>Management</b>						
802.1ap Std MIB Support	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
802.3bz compliance (2.5 Gbps and 5.0 Gbps) for Smart Rate ports	n/a	n/a	n/a	WC.16.04.0008	KB.16.04.0008	KB.16.04.0008 (V3 only)
100Mbps support on SmartRate ports	n/a	n/a	n/a	WC.16.06	KB.16.06	KB.16.06
IPSec to Controller for Management Traffic	n/a	YC.16.02	WC.16.02	WC.16.02	KB.16.02	KB.16.02
IPSec for Management Traffic (with secondary controller support)	n/a	YC.16.06	WC.16.06	WC.16.06	KB.16.06	KB.16.06
ARP Attack Detection	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
Auto-MDI-X	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Banner: Post-Logon User-Configurable Banner Display	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Bidirectional Secure Copying Between Switch and SFTP Server	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
BOOTP/DHCP Relay Gateway	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
BPDU-Throttle	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.16
Chassislocate LED at Boot	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Clarify Port VLAN Tagged Status	YA.15.12/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Clear Module Configuration	n/a	YC.16.02.0012	n/a	n/a	n/a	KB.15.15
CLI Return Message Category (Error; Warning; Information)	YA.15.10/YB.15.12	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Compliance with IEEE Standard for MIB Object ieee8021MstpMib	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Comware CLI Support	YA.15.11/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Config Backup and Restore without Reboot	YA.16.05/YB.16.05	YC.16.05	WC.16.05	WC.16.05	KB.16.05	KB.16.05
Config Menu	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Control Plane Protection	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Control Plane Policing (CoPP)	n/a	n/a	WC.16.04.0008	WC.16.04.0008	KB.16.04.0008	KB.16.04.0008
Custom Default Switch Configuration	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Customized Commands for Local User Accounts	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Device Profile: Auto configuration for Aruba APs/Switches	YA.16.01/YB.16.01	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
Device Profile: Auto configuration for Custom device types	YA.16.01/YB.16.01	YC.16.02.0012	WC.16.04.0008	WC.16.04.0008	KB.16.04.0008	KB.16.04.0008
DHCP Client DNS Support	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
DHCPv6 Client Options	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
DHCP Option 82	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
DHCP Option 60 and 150	n/a	YC.16.06	WC.16.06	WC.16.06	KB.16.06	KB.16.07
DHCP Relay	YA.15.14/YB.15.14	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
DHCPv6 Relay	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
DHCPv6 Relay Option 79	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.16
Disable IP Address on a VLAN Without Deleting the Address	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Disable Username Prompt for Management Interface Authentication	YA.15.15/YB.15.15	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Display Configuration of Selected Interface	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Display Transceiver	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Display Transceiver Information for Transceiver Cable Diagnostics	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
DNS Capabilities for Telnet	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Dynamic Segmentation: Port-Based Tunneling	n/a	n/a	WC.16.02.0008	WC.16.04.0004	KB.16.02	KB.16.02
Dynamic Segmentation: User-Based Tunneling	n/a	n/a	WC.16.04.0008	WC.16.04.0008	KB.16.04.0008	KB.16.04.0008

User-Based Tunnels: Reserved VLAN	n/a	n/a	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
Dynamic Segmentation: User-Based Tunneling for IPv6	n/a	n/a	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001 (V3 only)
Avoid double tunneling of Aruba APs on Port-Based Tunnels	n/a	n/a	WC.16.05	WC.16.05	KB.16.05	KB.16.05
Dual Flash Images	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Aruba Central Onboarding	YA.16.07.0002/YB.16.07.0002	YC.16.07.0002	WC.16.07.0002	WC.16.07.0002	KB.16.07.0002	KB.16.07.0002
Encoded Version Info Added to Config Files	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Encrypt Passwords and Authentication Keys in the Config File	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Event Log: Severity Change	YA.15.12/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Event Log Buffer: Configurable threshold for SNMP traps	YA.16.06/YB.16.06	YC.16.06	WC.16.06	WC.16.06	KB.16.06	KB.16.06
Fastboot	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Fault Finder Extended to Cover Flapping Transceiver Mitigation	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Fault Finder (Per Port Enable)	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	n/a
Filtering PVID Mismatch Log Message	YA.15.14/YB.15.14	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Find-Fix-and-Inform	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Flow Control (802.3x)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Generic Header ID in Config File	YA.15.16/YB.15.16	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.16
Grouped Config File Display per Interface	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
ICMP Throttling	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
IP Forwarding MIB	YA.15.17/YB.15.17	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.17
IP Service Level Agreement	n/a	YC.16.02.0012	WC.16.02.0008	WC.16.04.0004	KB.16.02	KB.16.02
IP Stacking	YA.15.10/YB.15.12	n/a	n/a	n/a	n/a	n/a
IPv6 DNS via RA Options	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
IPv6 Host (Dual Stack)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Local Management Privilege Groups	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
MAC Limit Notify	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Management Interface Wizard	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Minimum Password Length	YA.15.15/YB.15.15	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Module Reload	n/a	n/a	n/a	n/a	n/a	KB.15.15
MS-CHAPv2 for Switch Management Interface	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Multiple Configuration Files	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
NTP: Network Time Protocol	YA.16.01/YB.16.01	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
OOBM: IPv6 Host Function	n/a	n/a	n/a	WC.16.04.0004	KB.16.01	KB.15.15
PTP (Precision Time Protocol) IEEE 1588	n/a	n/a	n/a	WC.16.04.0004	n/a	n/a
Readable Interface Names in Traps	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Reinterpret CDP Info when Using IP Phones	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Report Config Changes Per-User Per-Session	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
REST APIs	YA.16.01/YB.16.01	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	K.16.01	KB.16.01
AAA for REST	n/a	YC.16.08.0001	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
Retain configuration on 5400R when switching from v3-only to v-2 compatible mode	n/a	n/a	n/a	n/a	n/a	KB.16.02
RMON	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
RMON: Extended RMON	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
RMON: Local Alarm Threshold	YA.15.13/YB.15.13	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Save Running Configuration to TFTP via SNMP	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Saving Security Credentials in a Configuration File	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Scheduled Reload	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15

Secure FTP	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Secure Shell v2 (SSHv2)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Secure Sockets Layer (SSL)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Send syslog Messages via TCP	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
sFlow	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
sFlow Data over OOBM	n/a	n/a	n/a	WC.16.04.0004	KB.16.01	KB.15.15
sFlow Set Agent Address	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
sFlow Using IPv6	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Single Source IP Identity	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
SNMP v1/v2c/v3/v3 with AES	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
SNMP: Enable SNMP Trap when Switch Config Changes	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
SNMP: MIB to Check Load of Module Slots	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
SNMP: Password Set via SNMP	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
SNMP: Server Source IP Commands	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
SNMP: Trap if MAC Address Add to or Delete from a Port	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
SNMP: Trap on MAC Address Table Changes	YA.15.14/YB.15.14	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
SNMP: Trap on Power Supply Removal	YA.15.14/YB.15.14	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
SNMP: Trap Throttling	YA.15.13/YB.15.13	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
SNMP: Read/Trap - Central Connected	YA.16.09/YB.16.09	YC.16.09	WC.16.09	WC.16.09	KB.16.09	KB.16.09
SNTP: Simple Network Time Protocol	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Syslog Config Change Reporting	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Syslog over TLS	YA.15.15/YB.15.15	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Syslog: Disable Debug without Affecting Syslog	YA.15.13/YB.15.13	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Syslog: Per-Interface Syslog Event Enable-Disable	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Sysname in Syslog Messages	YA.15.15/YB.15.15	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
TFTP & SSH Concurrent Usage	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.18
TFTP Uploadable Configuration	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Transceivers - Diagnostic Optical Monitoring (show interface transceiver detail)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Port-Based Tunnels: Fallback to local switching	n/a	n/a	WC.16.02.0011	WC.16.04.0004	KB.16.02.0011	KB.16.02.0011
Username and Password Length Increase	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
VLAN information added to 'show mac-address' Output	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
VSF: Virtual Switch Framework	n/a	n/a	WC.16.03.0003	n/a	n/a	KB.16.01 (V3 only)
VSF 8-member Stack (2930F only)	n/a	n/a	WC.16.06	n/a	n/a	n/a
Next-Gen Web GUI	YB.16.03	YC.16.02.0012	WC.16.02.0008	WC.16.04.0004	KB.16.03.0003	KB.16.03.0003
ZTP with TR-69	YA.15.16/YB.15.16	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	n/a	n/a
ZTP with AirWave	YA.16.01/YB.16.01	YC.16.01	WC.16.01	WC.16.01	KB.16.01	KB.16.01
ZTP with AirWave v6	n/a	YC.16.06	WC.16.06	WC.16.06	KB.16.06	KB.16.06
ZTP with AirWave over OOBM v4/v6	n/a	n/a	n/a	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
ZTP with AirWave and Central	YA.16.04/YB.16.04	YC.16.02.0012	WC.16.02.0010	WC.16.04.0004	KB.16.02	KB.16.02
HTTP Proxy Support for Aruba Central	YA.16.06/YB.16.06	YC.16.06	WC.16.06	WC.16.06	KB.16.06	KB.16.06
Job Scheduler	YA.16.01/YB.16.01	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
DHCPv4 Server	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.16
Console Lockout	n/a	YC.16.06	WC.16.06	WC.16.06	KB.16.06	KB.16.06
<b>OpenFlow</b>						
OpenFlow 1.0	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
OpenFlow 1.3	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15

Openflow: Custom Matches	n/a	n/a	WC.16.02.0008	WC.16.04.0004	KB.16.02	KB.16.02
OpenFlow: L4 Match	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.18
OpenFlow: MacGroups	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.18
Openflow: Source IP specification	YA.16.05/YB.16.05	YC.16.05	WC.16.05	WC.16.05	KB.16.05	KB.16.05
OpenFlow: TCP Flags and L4 port ranges in Custom Match Mode	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01(V3 ONLY)
<b>Power</b>						
Energy Efficient Ethernet (EEE)	YA.15.12/n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
External Power Support (EPS)	n/a	n/a	n/a	n/a	n/a	n/a
Hibernate mode	n/a	n/a	n/a	WC.16.04.0004	n/a	n/a
Power over Ethernet (POE) (802.3af)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Power over Ethernet Plus (POE+) (802.3at)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
802.3bt support	n/a	n/a	n/a	WC.16.07.0002	n/a	n/a
Redundant Power Support	n/a	n/a	n/a	WC.16.04.0004	KB.16.01	KB.15.15
<b>Priority/Quality of Service (QoS)</b>						
Broadcast Control	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Broadcast Storm Control	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Classifier-Based QoS and Rate Limiting	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Egress Port Monitoring (Outbound)	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
ICMP Rate Limiting	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Inbound Rate-Limiting for Broadcast and Multicast Traffic	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Layer 4 TCP/UDP Packet Priority	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Mirroring: MAC based Mirroring	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Mirroring: MAC based Remote Mirroring	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Mirroring: no VLAN Tag added	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Mirroring: Port	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Mirroring: Remote	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Multicast Storm Control	YA.16.06/YB.16.06	YC.16.06	WC.16.06	WC.16.06	KB.16.06	KB.16.06
QoS: Class of Service (CoS)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
QoS: Egress Queue Rate-limiting	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
QoS: Guaranteed Minimum Bandwidth	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
QoS: IPv6 QoS	YA.15.14/YB.15.14	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
QoS: Monitor Egress Queues for Dropped Packets if QoS Configured	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
QoS: Netdestinations and Netservices	YA.16.03	YC.16.03.0003	WC.16.03.0003	WC.16.04.0004	KB.16.03.0003	KB.16.03.0003
Modifying Netdestination entries	n/a	YC.16.08.0001	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
QoS: Packet Priority (802.1p)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
QoS: Per Port Trust	YA.16.02	YC.16.02.0012	WC.16.02.0008	WC.16.04.0004	KB.16.02	KB.16.02
QoS: Port and Priority-based Rate Limiting	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
QoS: Priority Queuing	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
QoS: Selectable Queuing Configurations	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
QoS: Strict Priority Queuing	YA.15.12.0007/ YB.15.12.0007	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
QoS: TCP/UDP Port Ranges	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
QoS: Traffic Template	YA.16.01.0004/ YB.16.01.0004	n/a	WC.16.04.0008	WC.16.04.0008	KB.16.05	KB.16.05
QoS: Turn on/off VLAN Precedence	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.16
QoS: VLAN Port-Based Prioritization (802.1p)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Rate Limiting	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Rate Limiting Unknown Unicast Traffic	n/a	n/a	WC.16.05	WC.16.05	KB.16.05	KB.16.05



Traffic Policing (with two rate three color marker)	n/a	n/a	WC.16.06	WC.16.06	KB.16.06	KB.16.06
<b>Routing and Multicast</b>						
ARP Age Timer Increase	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
BFD: Bidirectional Forwarding Detection (OSPF/RRP)	n/a	n/a	n/a	n/a	KB.16.01	KB.16.01 (V3 only)
BFD: Bidirectional Forwarding Detection (Static Routes)	n/a	n/a	n/a	n/a	KB.16.04.0008	KB.16.04.0008 (V3 only)
BGP: Border Gateway Protocol	n/a	n/a	n/a	n/a	KB.16.01	KB.15.15
BGP: MD5 Authentication	n/a	n/a	n/a	n/a	KB.16.01	KB.15.15
BGP: Route Filtering and Peer Restart Time Display	n/a	n/a	n/a	n/a	KB.16.01	KB.15.15
BGP: Route Maps	n/a	n/a	n/a	n/a	KB.16.01	KB.15.15
BGP: BGP-4	n/a	n/a	n/a	n/a	KB.16.01	KB.15.16
mDNS (Bonjour and Chromecast) Gateway	YA.16.01/YB.16.01	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
Disable Overlapping Subnet Configuration	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
ECMP (Equal Cost Multipath)	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
ECMP with Static Routes	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Identification Field in Static Route Config	YA.15.13/YB.15.13	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
IGMP v3 and MLD v2 Capabilities (YA only supports MLD v1)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Improved Log Commands and Output for OSPFv2 Troubleshooting	n/a	n/a	WC.16.02.0008	WC.16.04.0004	KB.16.01	KB.15.15
IPv6 Default gateway for OOBM	n/a	n/a	n/a	WC.16.04.0008	KB.16.04.0008	KB.16.04.0008
IPv6 Default Router Preference	n/a	n/a	WC.16.04.0008	WC.16.04.0008	KB.16.04.0008	KB.16.04.0008
IPv6 over IPv4 Tunneling	n/a	n/a	n/a	n/a	KB.16.01	KB.15.15
IPv6 Static Route Tag	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KA.15.16
IRDP	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Multicast: Block Unknown Multicast	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Multicast: IP Multicast snooping (Data Driven IGMP)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Multicast: IGMP v3	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
Multicast: IPv6 MLD Multicast Snooping	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Multi-Netting	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
OSPF (2930F & 2930M only support single-area OSPF)	n/a	n/a	WC.16.02.0008	WC.16.04.0004	KB.16.01	KB.15.15
OSPF ECMP	n/a	n/a	WC.16.02.0008	WC.16.04.0004	KB.16.01	KB.15.15
OSPF Global Cost Setting	n/a	n/a	WC.16.05	WC.16.05	KB.16.05	KB.16.05
OSPF LSA Type 3 Summarized Prefix Cost	n/a	n/a	n/a	n/a	KB.16.01	KB.15.15
OSPF LSA Type 3 Summarized Prefix Cost for OSPF v3	n/a	n/a	n/a	n/a	KB.16.01	KB.15.15
OSPF Neighbor Shutdown Notification	n/a	n/a	WC.16.02.0008	WC.16.04.0004	KB.16.01	KB.15.15
OSPF Neighbor Timer Information Display	n/a	n/a	WC.16.02.0008	WC.16.04.0004	KB.16.01	KB.15.15
OSPF NSSA Range Metrics added to OSPFv2	n/a	n/a	WC.16.02.0008	WC.16.04.0004	KB.16.01	KB.15.15
OSPF/RRP Nonstop Routing added to Management Failover	n/a	n/a	WC.16.03.0003	WC.16.04.0004	KB.16.01	KB.15.15
OSPFv2 config Metric Cost/Range	n/a	n/a	WC.16.02.0008	WC.16.04.0004	KB.16.01	KB.15.15
OSPFv3	n/a	n/a	WC.16.02.0008	WC.16.04.0004	KB.16.01	KB.15.15
OSPFv3 over 6-in-4 Tunnels	n/a	n/a	WC.16.02.0008	WC.16.04.0004	KB.16.01	KB.15.15
OSPFv3 Trap Global Enable/Disable	n/a	n/a	WC.16.02.0008	WC.16.04.0004	KB.16.01	KB.15.16
PIM: Override Reverse Path Forward (RPF) Lookup	n/a	n/a	WC.16.03.0003	WC.16.04.0004	KB.16.01	KB.15.15
PIM: 'router pim' Command Enhancements	n/a	n/a	WC.16.03.0003	WC.16.04.0004	KB.16.01	KB.15.15
PIM-DM	n/a	n/a	WC.16.03.0003	WC.16.04.0004	KB.16.01	KB.15.15
PIM-SM	n/a	n/a	WC.16.03.0003	WC.16.04.0004	KB.16.01	KB.15.15
PIMv6 SM and DM	n/a	n/a	WC.16.05	WC.16.05	KB.16.05	KB.16.05
Policy-Based Routing (PBR)	n/a	n/a	WC.16.03.0003	WC.16.04.0004	KB.16.01	KB.15.15

RIP v1/v2	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
RIP v2 with MD5 Authentication	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.18
RIPng	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
Router Advertisement (RA) Guard	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Service Insertion: Intercept Tunnels	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Service Insertion: Mirror Tunnels	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.17
Show IP Route Summary	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Static Blackhole or Reject Routes Redistribution into RIP	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Static Routes	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
UDP Broadcast Forwarding	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Virtual Router Redundancy Protocol (VRRP)	n/a	n/a	WC.16.03.0003	WC.16.04.0004	KB.16.01	KB.15.15
VRRP Preemptive Delay Timer	n/a	n/a	WC.16.03.0003	WC.16.04.0004	KB.16.01	KB.15.15
VRRP Track Ports & Dynamic Priority Change	n/a	n/a	WC.16.03.0003	WC.16.04.0004	KB.16.01	KB.15.15
VRRPv3	n/a	n/a	WC.16.03.0003	WC.16.04.0004	KB.16.01	KB.15.15
VRRP: Support for Self-Ping, Telnet, SSH, Web GUI	n/a	n/a	WC.16.06	WC.16.06	KB.16.06	KB.16.06
<b>Security</b>						
802.1v Protocol VLANs	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Configurable order and priority of authentication methods	YA.16.08.0001/YB.16.08.0001	YC.16.08.0001	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
802.1X and RADIUS Login (Port-Based Access)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
AAA Authorization on HTTPS (T5)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
ACL Grouping	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
ACL: Access Control List	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
ACL: Logging Match	YA.15.15/YB.15.15	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
ACL: MAC ACLs	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.18
ACL: Rule added to IP Directed Broadcast	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.18
Application Certificate Enrollment using EST	n/a	n/a	WC.16.09	WC.16.09	KB.16.09	KB.16.09
Advanced Threat Detection	YA.16.05/YB.16.05	YC.16.05	WC.16.05	WC.16.05	KB.16.05	KB.16.05
Bypassing Authentication for VoIP phones	n/a	YC.16.08.0001	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
BYOD Redirect	YA.15.16	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.16
Device Fingerprinting with ClearPass	n/a	n/a	WC.16.06	WC.16.06	KB.16.06	KB.16.06
Cached Re-authentication (Hold State if RADIUS Server Unavailable)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Captive Portal for ClearPass	YA.16.01/YB.16.01	YC.16.02.0012	WC.16.02.0008	WC.16.04.0004	KB.16.01	KB.16.01
Client IP Visibility (ip client-tracker in the CLI)	n/a	YC.16.03.0003	WC.16.03.0003	WC.16.03.0003	KB.16.03.0003	KB.16.03.0003
CoA Change User Role	YA.16.02.0012/YB.16.02.012	YC.16.02.0012	WC.16.02.0012	WC.16.02.0012	KB.16.02.0012	KB.16.02.0012
CoA Port Bounce	YA.16.02.0012/YB.16.02.012	YC.16.02.0012	WC.16.02.0012	WC.16.02.0012	KB.16.02.0012	KB.16.02.0012
Concurrent 802.1x, WebAuth, and MacAuth	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Concurrent TACACS+ and SFTP	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Device Attributes for User Roles	n/a	YC.16.08.0001	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
Automatic certificate download with ClearPass	n/a	YC.16.08.0001	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
DHCP Snooping	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
DHCP Snooping: CLI to clear DSnoop Counter	YA.16_03_001.SWI/YB.16_03_001.SWI	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
DHCP Snooping: DHCPv4 Snooping Max Binding	YA.15.14/YB.15.14	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
DHCP Snooping: DHCPv6 Snooping	YA.15.16/YB.15.16	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.16
DHCP Snooping Rate Limiter	n/a	n/a	WC.16.09	WC.16.09	KB.16.09	KB.16.09
Dynamic ARP Protection	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Dynamic IP Lockdown	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15

Egress ACLs	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.18
External Captive Portal URL Hashing for ClearPass	YA.16.02.0012/YB.16.02.012	YC.16.02.0012	WC.16.02.0012	WC.16.02.0012	KB.16.02.0012	KB.16.02.0012
Framed IP address in RADIUS requests	n/a	n/a	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
IPv6 Protocol VLANs	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Local MAC Authentication	YA.15.16/YB.15.16	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Local User Roles	YA.16.02	YC.16.02.0012	WC.16.02.0008	WC.16.04.0004	KB.16.02	KB.16.02
Increased Local User Roles	n/a	n/a	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
Downloadable User Roles	n/a	YC.16.04	WC.16.04	WC.16.04	KB.16.04	KB.16.04
Downloadable User Roles with Secondary Role Pushed to Controller	n/a	n/a	WC.16.05	WC.16.05	KB.16.05	KB.16.05
EAP-TLS Fragmentation	YA.16.09/YB.16.09	YC.16.09	WC.16.09	WC.16.09	KB.16.09	KB.16.09
Lock a MAC to a port -VLAN pair	n/a	n/a	WC.16.09	WC.16.09	KB.16.09	KB.16.09
MAC Authentication	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
MAC Authentication: Client Limit Increased to 256	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
MAC Authentication: Hitless Re-Authentication	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
MAC Authentication: Port-based	YA.16.02/YB.16.02	YC.16.02.0012	WC.16.02.0008	WC.16.04.0004	KB.16.02	KB.16.02
MAC Authentication Toggle	YA.16.02/YB.16.02	YC.16.02.0012	WC.16.02.0008	WC.16.04.0004	KB.16.02	KB.16.02
Password Authentication Protocol (PAP) for MAC Auth	n/a	n/a	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
MAC Authentication: Per port RADIUS Server Groups	YA.16.08.0001/YB.16.08.0001	YC.16.08.0001	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
MAC Authentication: Unauth-Redirect	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
MAC-based VLANs (MBV)	YA.15.14	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
MAC-based VLANs: Controlling MBV via CLI for NAC	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.16
MAC Pinning	YA.16.05/YB.16.05	n/a	WC.16.05	WC.16.05	KB.16.05	KB.16.05
MACSec: SmartRate Modules	n/a	n/a	n/a	WC.16.04.0004	KB.16.01	KB.15.18
MACSec: V3 only	n/a	n/a	n/a	WC.16.04.0004	KB.16.01	KB.15.17
Multiple 802.1X Clients Per Port	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
ND Snooping	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
Open Authentication Roles	n/a	n/a	WC.16.05	WC.16.05	KB.16.05	KB.16.05
Critical Authentication Roles	n/a	n/a	WC.16.05	WC.16.05	KB.16.05	KB.16.05
Password Complexity	YA.16.01/YB.16.01	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
Port Monitoring	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Port Security (MAC Lockdown)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Port Security (MAC Lockout)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
Port Security Auto Recovery	n/a	n/a	WC.16.06	WC.16.06	KB.16.06	KB.16.06
Protocol Based VLANs	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Private VLAN	n/a	n/a	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
RBAC: Role Based Access Control	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
RADIUS	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
RADIUS Assigned ACLs	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
RADIUS Assigned GVRP VLANs	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
RADIUS Attributes for QoS and Rate-Limiting	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
RADIUS Authenticated Manager Level Login	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
RADIUS Authentication for Browser Access	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
RADIUS Configuration via SNMP	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
RADIUS for 802.1X Accounting	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
RADIUS IPv6	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
RADIUS Port Speed VSA	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15



RADIUS Service Tracking	YA.16.01/YB.16.01	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
Source Port Filter	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Secure RADIUS (RadSec)	n/a	n/a	WC.16.09	WC.16.09	KB.16.09	KB.16.09
Secure Syslog over TLS	n/a	n/a	WC.16.09	WC.16.09	KB.16.09	KB.16.09
SSH Client	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
SSH Re-key (Government Certification)	n/a	n/a	WC.16.04.0008	WC.16.04.0008	KB.16.04.0008	KB.16.04.0008
Static IP Lockdown	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Synchronization for 802.1X Supplicants (for Nonstop Switching)	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
TACACS+	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
TACACS+ over IPv6	n/a	YC.16.08.0001	WC.16.08.0001	WC.16.08.0001	KB.16.08.0001	KB.16.08.0001
TACACS server order	n/a	n/a	WC.16.09	WC.16.09	KB.16.09	KB.16.09
User Lockout (Government Certification)	n/a	n/a	WC.16.04.0008	WC.16.04.0008	KB.16.04.0008	KB.16.04.0008
Virus Throttling (Connection Rate Filtering)	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
Web-based Authentication	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.15.15
<b>Supportability</b>						
Debug Command for PIM Packet Events Added	n/a	n/a	n/a	n/a	KB.16.01	KB.15.15
Flight Data Recorder Log	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.02	KB.15.15
LACP Debug Logging and Show Commands	YA.15.10/YB.15.12	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.02	KB.15.15
Preview Mode	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
Time Domain Reflectometry (SmartRate modules not supported)	n/a	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.02	KB.16.01 (V3 only)
Supportability Infrastructure: User Initiated Diagnostic Reset via Clear button	YA.16.01/YB.16.01	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01
Supportability Infrastructure: User Initiated Diagnostic Reset via Serial Console	YA.16.01/YB.16.01	YC.16.02.0012	WC.16.02.0003	WC.16.04.0004	KB.16.01	KB.16.01

## ArubaOS-Switch Software Feature Support Matrix 16.10

WB/RA/KA Switches (minimum firmware versions)

**Note:** New features introduced in 16.09 are not available on the following platforms.

Software Features Firmware Prefix	2920 WB	2620 RA	3800 KA
<b>Bridging</b>			
Data Link Detection Protocol (DLDP)	WB.15.17	RA.15.17	KA.15.17
Distributed Trunking PIM-DM	n/a	n/a	KA.15.17
Distributed Trunking PIM-SM	n/a	n/a	KA.15.18
Distributed Trunking Primary/Secondary Configuration	n/a	n/a	KA.15.11
Distributed Trunking Switch to Server	n/a	n/a	KA.15.09
Distributed Trunking Switch to Switch	n/a	n/a	KA.15.16
GVRP	WB.15.11	RA.15.05	KA.15.03
LACP (802.3ad)	WB.15.11	RA.15.05	KA.15.03
LACP Key for Controlling Dynamic Trunk Configuration	WB.15.11	RA.15.05	KA.15.09
LACP Trunk Load Balancing Information Output	WB.15.11	RA.15.05	KA.15.09
LLDP (802.1ab)	WB.15.11	RA.15.05	KA.15.03
LLDP MED (Media Endpoint Discovery)	WB.15.11	RA.15.05	KA.15.03
LLDP PoE+ Support	WB.15.11	RA.15.05	KA.15.03
LLDP over OOBM	WB.16.01	n/a	KA.16.01
LLDP TLV	WB.15.11	RA.15.05	KA.15.03
Loop Protection	WB.15.11	RA.15.05	KA.15.03
MAX VLANs: 512	n/a	RA.15.05	n/a
MAX VLANs: 1K	WB.16.01	n/a	n/a
MAX VLANs: 4K	n/a	n/a	KA.16.01
Meshing: Concurrent Meshing and Routing	n/a	n/a	KA.15.09
Meshing: Mesh ID Configuration	n/a	n/a	KA.15.07
Meshing: Switch Meshing	n/a	n/a	KA.15.03
MVRP: Multiple VLAN Registration Protocol	WB.16.01	RA.16.01	KA.16.01
Q-in-Q	n/a	n/a	KA.15.03
Single Instance (802.1d-1998)	WB.15.11	RA.15.05	KA.15.03
SmartLink	WB.15.14	RA.15.14	KA.15.14
Spanning tree: BPDU Filtering	WB.15.11	RA.15.05	KA.15.03
Spanning tree: BPDU Protection	WB.15.11	RA.15.05	KA.15.03
Spanning tree: Fast Mode	WB.15.11	RA.15.05	KA.15.03
Spanning tree: Loop Guard	WB.15.11	RA.15.05	KA.15.09
Spanning tree: Multiple STP (802.1s Standards Compliant)	WB.15.11	RA.15.05	KA.15.03
Spanning tree: 64 MSTP instances	n/a	n/a	KA.16.01
Spanning tree: PVST Protection and Filtering	WB.15.11	RA.15.05	KA.15.03
Spanning tree: PVST+ Compatibility	WB.15.11	RA.15.05	KA.15.03
Spanning tree: Rapid STP (802.1w Standards Compliant)	WB.15.11	RA.15.05	KA.15.03
Spanning tree: Root Guard	WB.15.11	RA.15.05	KA.15.03
Trunking: Enable using TCP/UDP Port Numbers for Trunk Load-Balancing	WB.15.11	RA.15.05	KA.15.09
Trunking: Link Aggregation	WB.15.11	RA.15.05	KA.15.03
UDLD: Uni-Directional Link Detection	WB.15.11	RA.15.05	KA.15.03
UDLD: Verify Before Forwarding	WB.15.16	RA.15.05	KA.15.16
UFD: Uplink Failure Detection	WB.15.11	n/a	KA.15.09
VxLAN	n/a	n/a	n/a
Wake-on-LAN for a Specific VLAN	WB.15.11	RA.15.05	KA.15.09

Management			
802.1ap Std MIB Support	WB.15.11	RA.15.09	KA.15.09
802.3bz compliance (2.5 Gbps and 5.0 Gbps) for Smart Rate ports	n/a	n/a	n/a
100Mbps support on SmartRate ports	n/a	n/a	n/a
IPSec to Controller for Management Traffic	WB.16.02	n/a	KA.16.02
IPSec for Management Traffic (with secondary controller support)	WB.16.06	n/a	n/a
ARP Attack Detection	WB.16.01	n/a	KA.16.01
Auto-MDI-X	WB.15.11	RA.15.05	KA.15.03
Banner: Post-Logon User-Configurable Banner Display	WB.15.11	RA.15.05	KA.15.03
Bidirectional Secure Copying Between Switch and SFTP Server	WB.15.11	RA.15.05	KA.15.09
BOOTP/DHCP Relay Gateway	WB.15.11	RA.15.05	KA.15.03
BPDU-Throttle	WB.15.16	n/a	KA.15.16
Chassislocate LED at Boot	WB.15.11	RA.15.05	KA.15.14
Clarify Port VLAN Tagged Status	WB.15.12	RA.15.12	KA.15.12
Clear Module Configuration	n/a	n/a	n/a
CLI Return Message Category (Error; Warning; Information)	WB.15.11	RA.15.05	KA.15.03
Compliance with IEEE Standard for MIB Object ieee8021MstpMib	WB.15.11	RA.15.06	KA.15.06
Comware CLI Support	WB.15.13	RA.15.11	KA.15.08
Config Backup and Restore without Reboot	WB.16.05	n/a	n/a
Config Menu	WB.15.11	RA.15.05	KA.15.03
Control Plane Protection	WB.15.18	n/a	KA.15.14
Control Plane Policing (CoPP)	n/a	n/a	n/a
Custom Default Switch Configuration	WB.15.11	RA.15.05	KA.15.12
Customized Commands for Local User Accounts	WB.15.11	RA.15.05	KA.15.09
Device Profile: Auto configuration for Aruba APs/Switches	WB.16.01	RA.16.01	KA.16.01
Device Profile: Auto configuration for Custom device types	WB.16.01	n/a	n/a
DHCP Client DNS Support	WB.15.11	RA.15.07	KA.15.07
DHCPv6 Client Options	WB.15.11	RA.15.05	KA.15.09
DHCP Option 82	WB.15.11	RA.15.05	KA.15.03
DHCP Option 60 and 150	n/a	n/a	n/a
DHCP Relay	WB.15.11	RA.15.05	KA.15.03
DHCPv6 Relay	WB.15.11	RA.15.05	KA.15.03
DHCPv6 Relay Option 79	WB.15.16	RA.16.01	KA.15.16
Disable IP Address on a VLAN Without Deleting the Address	WB.15.11	RA.15.10	KA.15.09
Disable Username Prompt for Management Interface Authentication	WB.15.15	RA.15.15	KA.15.15
Display Configuration of Selected Interface	WB.15.11	RA.15.05	KA.15.03
Display Transceiver	WB.15.11	RA.15.07	KA.15.09
Display Transceiver Information for Transceiver Cable Diagnostics	WB.15.11	RA.15.07	KA.15.06
DNS Capabilities for Telnet	WB.15.11	RA.15.05	KA.15.03
Dual Flash Images	WB.15.11	RA.15.05	KA.15.03
Encoded Version Info Added to Config Files	WB.15.11	RA.15.05	KA.15.09
Encrypt Passwords and Authentication Keys in the Config File	WB.15.11	RA.15.06	KA.15.09
Event Log: Severity Change	WB.15.11	RA.15.12	KA.15.12
Event Log Buffer: Configurable threshold for SNMP traps	n/a	n/a	n/a
Fastboot	WB.15.11	RA.15.05	KA.15.03
Fault Finder Extended to Cover Flapping Transceiver Mitigation	WB.15.11	RA.15.05	KA.15.03
Fault Finder (Per Port Enable)	n/a	n/a	KA.16.01

Filtering PVID Mismatch Log Message	WB.15.15	RA.15.14	KA.15.14
Find-Fix-and-Inform	WB.15.11	RA.15.05	KA.15.03
Flow Control (802.3x)	WB.15.11	RA.15.05	KA.15.03
Generic Header ID in Config File	WB.15.16	RA.15.16	KA.15.16
Grouped Config File Display per Interface	WB.15.11	RA.15.08	KA.15.08
ICMP Throttling	WB.15.11	RA.15.05	KA.15.03
IP Forwarding MIB	WB.15.17	RA.15.17	KA.15.17
IP Service Level Agreement	WB.16.02	n/a	KA.16.02
IP Stacking	n/a	RA.15.05	n/a
IPv6 DNS via RA Options	WB.15.11	RA.15.10	KA.15.10
IPv6 Host (Dual Stack)	WB.15.11	RA.15.05	KA.15.03
Local Management Privilege Groups	WB.15.11	RA.15.05	KA.15.09
MAC Limit Notify	WB.15.11	RA.15.10	KA.15.09
Management Interface Wizard	WB.15.11	RA.15.05	KA.15.03
Minimum Password Length	WB.15.15	RA.15.15	KA.15.15
Module Reload	n/a	n/a	n/a
MS-CHAPv2 for Switch Management Interface	WB.15.11	RA.15.05	KA.15.03
Multiple Configuration Files	WB.15.11	RA.15.05	KA.15.03
NTP: Network Time Protocol	WB.16.01	RA.16.01	KA.16.01
OoBM: IPv6 Host Function	WB.15.11	n/a	KA.15.03
PTP (Precision Time Protocol) IEEE 1588	n/a	n/a	n/a
Readable Interface Names in Traps	WB.15.11	RA.15.05	KA.15.12
Reinterpret CDP Info when Using IP Phones	WB.15.11	RA.15.05	KA.15.10
Report Config Changes Per-User Per-Session	WB.15.11	RA.15.05	KA.15.07
REST APIs	WB.16.01	RA.16.01	KA.16.01
Retain configuration on 5400R when switching from v3-only to v-2 compatible mode	n/a	n/a	n/a
RMON	WB.15.11	RA.15.05	KA.15.03
RMON: Extended RMON	WB.15.11	RA.15.05	KA.15.03
RMON: Local Alarm Threshold	WB.15.13	RA.15.13	KA.15.13
Save Running Configuration to TFTP via SNMP	WB.15.11	RA.15.05	KA.15.03
Saving Security Credentials in a Configuration File	WB.15.11	RA.15.05	KA.15.03
Scheduled Reload	WB.15.11	RA.15.05	KA.15.03
Secure FTP	WB.15.11	RA.15.05	KA.15.03
Secure Shell v2 (SSHv2)	WB.15.11	RA.15.05	KA.15.03
Secure Sockets Layer (SSL)	WB.15.11	RA.15.05	KA.15.03
Send syslog Messages via TCP	WB.15.11	RA.15.10	KA.15.09
sFlow	WB.15.11	RA.15.05	KA.15.03
sFlow Data over OoBM	WB.15.11	n/a	KA.15.13
sFlow Set Agent Address	WB.15.11	RA.15.10	KA.15.07
sFlow Using IPv6	n/a	RA.15.10	KA.15.07
Single Source IP Identity	WB.15.11	RA.15.10	KA.15.03
SNMP v1/v2c/v3/v3 with AES	WB.15.11	RA.15.05	KA.15.03
SNMP: Enable SNMP Trap when Switch Config Changes	WB.15.11	RA.15.05	KA.15.09
SNMP: MIB to Check Load of Module Slots	WB.15.11	n/a	KA.15.10
SNMP: Password Set via SNMP	WB.15.11	RA.15.05	KA.15.03
SNMP: Server Source IP Commands	WB.15.11	RA.15.05	KA.15.03
SNMP: Trap if MAC Address Add to or Delete from a Port	WB.15.11	RA.15.05	KA.15.09

SNMP: Trap on MAC Address Table Changes	WB.15.14	RA.15.14	KA.15.14
SNMP: Trap on Power Supply Removal	WB.15.14	RA.15.14	KA.15.14
SNMP: Trap Throttling	WB.15.13	RA.15.13	KA.15.13
SNMP: Read/Trap - Central Connected	WB.16.09	n/a	n/a
SNTP: Simple Network Time Protocol	WB.15.11	RA.15.05	KA.15.03
Syslog Config Change Reporting	WB.15.11	RA.15.10	KA.15.09
Syslog over TLS	WB.15.15	RA.15.16	KA.15.15
Syslog: Disable Debug without Affecting Syslog	WB.15.13	RA.15.13	KA.15.13
Syslog: Per-Interface Syslog Event Enable-Disable	WB.15.11	RA.15.05	KA.15.13
Sysname in Syslog Messages	WB.15.15	RA.15.15	KA.15.15
TFTP & SSH Concurrent Usage	WB.15.15	RA.15.05	KA.15.18
TFTP Uploadable Configuration	WB.15.11	RA.15.05	KA.15.03
Transceivers - Diagnostic Optical Monitoring (show interface transceiver detail)	WB.15.11	RA.15.07	KA.15.07
User-Based Tunneling	n/a	n/a	n/a
Port-Based Tunneling	WB.16.02	n/a	KA.16.02
Avoid double tunneling of Aruba APs on Port-Based Tunnels	n/a	n/a	n/a
Port-Based Tunnels: Fallback to local switching	WB.16.02.0011	n/a	KA.16.02.0011
Username and Password Length Increase	WB.15.11	RA.15.05	KA.15.03
VLAN information added to 'show mac-address' Output	WB.15.11	RA.15.05	KA.15.09
VSF: Virtual Switch Framework	n/a	n/a	n/a
VSF 8-member Stack (2930F only)	n/a	n/a	n/a
Next-Gen Web GUI	WB.16.03.0003	RA.16.03	KA.16.03.0003
ZTP with TR-69	WB.15.18	RA.15.16	n/a
ZTP with DHCP	WB.16.01	n/a	KA.16.01
ZTP with DHCPv6	n/a	n/a	n/a
ZTP for Activate	WB.16.02	n/a	KA.16.02
HTTP Proxy Support for Aruba Central	WB.16.06	n/a	n/a
Job Scheduler	WB.16.01	RA.16.01	KA.16.01
DHCPv4 Server	WB.15.16	RA.15.16	KA.15.16
Console Lockout	WB.15.16	RA.15.16	KA.15.16
<b>OpenFlow</b>	n/a	n/a	n/a
OpenFlow 1.0			
OpenFlow 1.3	WB.15.12	n/a	KA.15.10
Openflow: Custom Matches	WB.15.14	n/a	KA.15.14
OpenFlow: L4 Match	n/a	n/a	n/a
OpenFlow: MacGroups	WB.15.18	n/a	KA.15.18
Openflow: Source IP specification	WB.15.18	n/a	KA.15.18
OpenFlow: TCP Flags and L4 port ranges in Custom Match Mode	WB.16.05	n/a	n/a
<b>Power</b>	n/a	n/a	n/a
Energy Efficient Ethernet (EEE)			
External Power Support (EPS)	WB.15.11	n/a	KA.15.03
Hibernate mode	WB.15.13	RA.15.05	n/a
Power over Ethernet (POE) (802.3af)	n/a	n/a	n/a
Power over Ethernet Plus (POE+) (802.3at)	WB.15.11	RA.15.05	KA.15.03
Redundant Power Support	WB.15.11	n/a	KA.15.03
<b>Priority/Quality of Service (QoS)</b>	WB.15.13	RA.15.05	KA.15.03
Broadcast Control			



Broadcast Storm Control	WB.15.11	RA.15.05	KA.15.03
Classifier-Based QoS and Rate Limiting	WB.15.15	n/a	KA.15.15
Egress Port Monitoring (Outbound)	WB.15.11	n/a	KA.15.03
ICMP Rate Limiting	n/a	n/a	KA.15.03
Inbound Rate-Limiting for Broadcast and Multicast Traffic	WB.15.11	RA.15.05	KA.15.03
Layer 4 TCP/UDP Packet Priority	WB.15.11	RA.15.05	KA.15.03
Mirroring: MAC based Mirroring	WB.15.11	RA.15.05	KA.15.03
Mirroring: MAC based Remote Mirroring	n/a	n/a	KA.15.03
Mirroring: no VLAN Tag added	n/a	n/a	KA.15.03
Mirroring: Port	n/a	n/a	KA.15.03
Mirroring: Remote	WB.15.11	RA.15.05	KA.15.03
Multicast Storm Control	n/a	n/a	KA.15.03
QoS: Class of Service (CoS)	n/a	n/a	n/a
QoS: Egress Queue Rate-limiting	WB.15.11	RA.15.05	KA.15.03
QoS: Guaranteed Minimum Bandwidth	WB.15.15	n/a	KA.15.15
QoS: IPv6 QoS	WB.15.11	n/a	KA.15.03
QoS: Monitor Egress Queues for Dropped Packets if QoS Configured	WB.15.11	RA.15.14	KA.15.03
QoS: Netdestinations and Netservices	WB.15.11	RA.15.05	KA.15.09
QoS: Packet Priority (802.1p)	WB.16.03	n/a	n/a
QoS: Per Port Trust	WB.15.11	RA.15.05	KA.15.03
QoS: Port and Priority-based Rate Limiting	WB.16.02	RA.16.02	KA.16.02
QoS: Priority Queuing	WB.15.11	RA.15.05	KA.15.03
QoS: Selectable Queuing Configurations	WB.15.11	RA.15.05	KA.15.03
QoS: Strict Priority Queuing	WB.15.11	RA.15.05	KA.15.03
QoS: TCP/UDP Port Ranges	WB.15.11	n/a	KA.15.12
QoS: Traffic Template	WB.15.11	RA.15.05	KA.15.03
QoS: Turn on/off VLAN Precedence	n/a	n/a	n/a
QoS: VLAN Port-Based Prioritization (802.1p)	WB.15.11	RA.15.05	KA.15.16
Rate Limiting	WB.15.11	RA.15.05	KA.15.03
Rate Limiting Unknown Unicast Traffic	WB.15.11	RA.15.05	KA.15.03
Traffic Policing (with two rate three color marker)	n/a	n/a	n/a
<b>Routing and Multicast</b>	n/a	n/a	n/a
ARP Age Timer Increase			
BFD: Bidirectional Forwarding Detection (OSPF/VRP)	WB.15.11	RA.15.05	KA.15.03
BFD: Bidirectional Forwarding Detection (Static Routes)	n/a	n/a	n/a
BGP: Border Gateway Protocol	n/a	n/a	n/a
BGP: MD5 Authentication	n/a	n/a	KA.15.09
BGP: Route Filtering and Peer Restart Time Display	n/a	n/a	KA.15.09
BGP: Route Maps	n/a	n/a	KA.15.09
BGP: BGP-4	n/a	n/a	KA.15.09
mDNS (Bonjour and Chromecast) Gateway	n/a	n/a	KA.15.16
Disable Overlapping Subnet Configuration	WB.16.01	RA.15.09	KA.16.01
ECMP (Equal Cost Multipath)	WB.15.11	RA.15.09	KA.15.09
ECMP with Static Routes	WB.15.11	RA.15.05	KA.15.03
Identification Field in Static Route Config	WB.15.11	RA.15.05	KA.15.03
IGMP v3 and MLD v2 Capabilities (YA only supports MLD v1)	WB.15.13	RA.15.13	KA.15.13
Improved Log Commands and Output for OSPFv2 Troubleshooting	WB.15.11	n/a	KA.15.09

IPv6 Default gateway for OOBM	WB.16.02	n/a	KA.15.09
IPv6 Default Router Preference	WB.16.04.0008	n/a	KA.16.04.0008
IPv6 over IPv4 Tunneling	WB.16.04.0008	n/a	KA.16.04.0008
IPv6 Static Route Tag	n/a	n/a	KA.15.06
IRDP	WB.15.16	n/a	KA.15.16
Multicast: Block Unknown Multicast	WB.15.11	RA.15.05	KA.15.03
Multicast: IP Multicast snooping (Data Driven IGMP)	WB.15.11	RA.15.05	KA.15.09
Multicast: IGMP v3	WB.15.11	RA.15.05	KA.15.03
Multicast: IPv6 MLD Multicast Snooping	WB.16.01	n/a	KA.16.01
Multi-Netting	WB.15.11	RA.15.05	KA.15.03
OSPF (2930F & 2930M only support single-area OSPF)	WB.15.11	RA.15.05	KA.15.03
OSPF ECMP	WB.16.02	n/a	KA.15.03
OSPF Global Cost Setting	WB.16.02	n/a	KA.15.03
OSPF LSA Type 3 Summarized Prefix Cost	n/a	n/a	n/a
OSPF LSA Type 3 Summarized Prefix Cost for OSPF v3	n/a	n/a	KA.15.09
OSPF Neighbor Shutdown Notification	n/a	n/a	KA.15.09
OSPF Neighbor Timer Information Display	WB.16.02	n/a	KA.15.09
OSPF NSSA Range Metrics added to OSPFv2	WB.16.02	n/a	KA.15.09
OSPF/VRRP Nonstop Routing added to Management Failover	WB.16.02	n/a	KA.15.09
OSPFv2 config Metric Cost/Range	WB.16.02	n/a	KA.15.09
OSPFv3	WB.16.02	n/a	KA.15.09
OSPFv3 over 6-in-4 Tunnels	WB.16.02	n/a	KA.15.03
OSPFv3 Trap Global Enable/Disable	n/a	n/a	KA.15.09
PIM: Override Reverse Path Forward (RPF) Lookup	WB.16.02	n/a	KA.15.16
PIM: 'router pim' Command Enhancements	n/a	n/a	KA.15.09
PIM-DM	n/a	n/a	KA.15.09
PIM-SM	n/a	n/a	KA.15.03
PIMv6 SM and DM	n/a	n/a	KA.15.03
Policy-Based Routing (PBR)	n/a	n/a	n/a
RIP v1/v2	n/a	n/a	KA.15.09
RIP v2 with MD5 Authentication	WB.15.11	RA.15.05	KA.15.03
RIPng	WB.15.18	RA.15.18	KA.15.18
Router Advertisement (RA) Guard	WB.16.01	n/a	KA.16.01
Service Insertion: Intercept Tunnels	WB.15.11	n/a	KA.15.09
Service Insertion: Mirror Tunnels	WB.15.15	n/a	KA.15.15
Show IP Route Summary	WB.15.17	n/a	KA.15.17
Static Blackhole or Reject Routes Redistribution into RIP	WB.15.11	RA.15.07	KA.15.09
Static Routes	WB.15.11	n/a	KA.15.09
UDP Broadcast Forwarding	WB.15.11	RA.15.05	KA.15.03
Virtual Router Redundancy Protocol (VRRP)	WB.15.11	RA.15.05	KA.15.03
VRRP Preemptive Delay Timer	n/a	n/a	KA.15.03
VRRP Track Ports & Dynamic Priority Change	n/a	n/a	KA.15.03
VRRPv3	n/a	n/a	KA.15.03
VRRP: Support for Self-Ping, Telnet, SSH, Web GUI	n/a	n/a	KA.15.13
<b>Security</b>	n/a	n/a	n/a
802.1v Protocol VLANs			
802.1X and RADIUS Login (Port-Based Access)	WB.15.11	RA.15.05	KA.15.03

AAA Authorization on HTTPS (T5)	WB.15.11	RA.15.05	KA.15.03
ACL Grouping	WB.15.11	RA.15.05	KA.15.03
ACL: Access Control List	n/a	n/a	KA.16.01
ACL: Logging Match	WB.15.11	RA.15.05	KA.15.03
ACL: MAC ACLs	WB.15.11	RA.15.05	KA.15.09
ACL: Rule added to IP Directed Broadcast	n/a	n/a	n/a
Advanced Threat Detection	WB.15.18	RA.15.18	KA.15.18
Application Certificate Enrollment using EST	WB.16.05	n/a	n/a
BYOD Redirect	WB.16.09	n/a	n/a
Device Fingerprinting with ClearPass	WB.15.16	RA.15.16	KA.15.16
Cached Re-authentication (Hold State if RADIUS Server Unavailable)	n/a	n/a	n/a
Captive Portal for ClearPass	WB.15.11	RA.15.05	KA.15.03
Client IP Visibility (ip client-tracker in the CLI)	WB.16.03	n/a	n/a
CoA Change User Role	WB.16.01	RA.16.01	KA.16.01
CoA Port Bounce	WB.16.02.0012	n/a	n/a
Concurrent 802.1x, WebAuth, and MacAuth	WB.16.02.0012	n/a	n/a
Concurrent TACACS+ and SFTP	WB.15.11	RA.15.05	KA.15.03
DHCP Snooping	WB.15.11	RA.15.05	KA.15.03
DHCP Snooping: CLI to clear DSnoop Counter	WB.15.11	RA.15.05	KA.15.03
DHCP Snooping: DHCPv4 Snooping Max Binding	WB.15.13	RA.16.03.0001	KA.15.13
DHCP Snooping: DHCPv6 Snooping	WB.15.14	RA.15.14	KA.15.14
DHCP Snooping Rate Limiter	WB.15.16	RA.15.16	KA.15.16
Dynamic ARP Protection	n/a	n/a	n/a
Dynamic IP Lockdown	WB.15.11	RA.15.05	KA.15.03
Egress ACLs	WB.15.11	RA.15.05	KA.15.03
External Captive Portal URL Hashing for ClearPass	WB.15.18	n/a	KA.15.18
IPv6 Protocol VLANs	WB.16.02.0012	n/a	n/a
Local MAC Authentication	WB.15.11	RA.15.05	KA.15.03
Local User Roles	WB.15.14	RA.15.16	KA.15.14
Lock a MAC to a port-VLAN pair	WB.16.02	RA.16.02	KA.16.02
Downloadable User Roles	n/a	n/a	n/a
Downloadable User Roles with Secondary Role Pushed to Controller	WB.16.04	n/a	n/a
EAP-TLS Fragmentation	n/a	n/a	n/a
MAC Authentication	n/a	n/a	n/a
MAC Authentication: Client Limit Increased to 256	WB.15.11	RA.15.05	KA.15.03
MAC Authentication: Hitless Re-Authentication	n/a	n/a	KA.15.03
MAC Authentication: Port-based	WB.15.11	RA.15.05	KA.15.03
MAC Authentication Toggle	WB.16.02	RA.16.02	KA.16.02
MAC Authentication: Unauth-Redirect	WB.16.02	RA.16.02	KA.16.02
MAC-based VLANs (MBV)	WB.15.11	RA.15.05	KA.15.03
MAC-based VLANs: Controlling MBV via CLI for NAC	WB.15.14	RA.15.10	KA.15.09

MAC Pinning	WB.15.16	n/a	KA.15.16
MACSec: SmartRate Modules	WB.16.05	n/a	n/a
MACSec: V3 only	n/a	n/a	n/a
Multiple 802.1X Clients Per Port	n/a	n/a	n/a
ND Snooping	WB.15.11	RA.15.05	KA.15.03
Open Authentication Roles	WB.16.01	n/a	KA.16.01
Critical Authentication Roles	n/a	n/a	n/a
Password Complexity	n/a	n/a	n/a
Port Monitoring	WB.16.01	RA.16.01	KA.16.01
Port Security (MAC Lockdown)	WB.15.11	RA.15.05	KA.15.03
Port Security (MAC Lockout)	WB.15.11	RA.15.05	KA.15.03
Port Security Auto Recovery	WB.15.11	RA.15.05	KA.15.03
Protocol Based VLANs	n/a	n/a	n/a
Private VLAN	WB.15.11	RA.15.05	KA.15.03
RBAC: Role Based Access Control	WB.16.01	n/a	KA.16.01
RADIUS	WB.16.01	n/a	KA.16.01
RADIUS Assigned ACLs	WB.15.11	RA.15.05	KA.15.03
RADIUS Assigned GVRP VLANs	WB.15.11	RA.15.05	KA.15.03
RADIUS Attributes for QoS and Rate-Limiting	WB.15.11	RA.15.05	KA.15.03
RADIUS Authenticated Manager Level Login	WB.15.11	RA.15.05	KA.15.03
RADIUS Authentication for Browser Access	WB.15.11	RA.15.05	KA.15.03
RADIUS Configuration via SNMP	WB.15.11	RA.15.05	KA.15.03
RADIUS for 802.1X Accounting	WB.15.11	RA.15.05	KA.15.03
RADIUS IPv6	WB.15.11	RA.15.05	KA.15.03
RADIUS Port Speed VSA	WB.15.12	RA.15.12	KA.15.12
RADIUS Service Tracking	WB.15.13	n/a	KA.15.13
Secure Syslog over TLS	WB.16.01	RA.16.01	KA.16.01
Secure RADIUS (RadSec)	WB.16.09	n/a	n/a
Source Port Filter	WB.16.09	n/a	n/a
SSH Client	WB.15.11	RA.15.05	KA.15.03
SSH Re-key (Government Certification)	WB.15.11	RA.15.05	KA.15.09
Static IP Lockdown	n/a	n/a	n/a
Synchronization for 802.1X Supplicants (for Nonstop Switching)	WB.15.11	RA.15.05	KA.15.03
TACACS+	WB.15.11	RA.15.05	KA.15.03
TACACS server order	WB.15.11	RA.15.05	KA.15.03
User Lockout (Government Certification)	n/a	n/a	n/a
Virus Throttling (Connection Rate Filtering)	WB.16.04.0008	n/a	n/a
Web-based Authentication	n/a	n/a	KA.15.03
<b>Supportability</b>	WB.15.11	RA.15.05	KA.15.03
Debug Command for PIM Packet Events Added			
Flight Data Recorder Log	n/a	n/a	KA.15.09
LACP Debug Logging and Show Commands	WB.15.12	n/a	KA.15.09
Preview Mode	WB.15.11	RA.15.06	KA.15.09
Time Domain Reflectometry (SmartRate modules not supported)	WB.16.04	n/a	n/a
Supportability Infrastructure: User Initiated Diagnostic Reset via Clear button	WB.16.04.0008	n/a	n/a
Supportability Infrastructure: User Initiated Diagnostic Reset via Serial Console	WB.16.01	RA.16.01	KA.16.01
	WB.16.01	RA.16.01	KA.16.01

Software Support	Minimum SW Version	Supported Switch Platforms	Comments
AirWave (ZTP, configuration, software update)	8.2.1	2530, 2540, 2620, 2920, 2930F, 2930M, 3800, 3810, 5400R v2/v3	2530 >=8.2.1.1, 2930M >=8.2.4
AirWave over IPSec	8.2.1	2540, 2920, 2930F, 2930M, 3800,5400R, 3810	Controller firmware version must be at least 6.5.
Aruba Central	n/a	2530, 2540, 2920, 2930F, 2930M, 3810,5400R(only Template),2920-Stk(upto 16.05)	Switches manufactured as of February 2016.
Aruba Activate	n/a	2530, 2540, 2920, 2930F, 2930M, 3800, 3810, 5400Rzl	Switches manufactured as of February 2016 except 5400R zl2, which is as of June 2016.
Aruba Activate Firmware Upgrade	n/a	2530,2920, 2930F, 2930M, 2540, 3800, 3810, 5400Rzl	
Aruba Controller (70xx & 72xx series)	6.5	2920, 2930F, 2930M, 3800, 3810, 5400R	
VAN Controller (SDN)	2.8.8.0366	2920, 2930F, 2930M, 3800, 3810, 5400R v2/v3	
Network Optimizer	1.5.4.109	2920, 2930F, 2930M, 3800, 3810, 5400R v2/v3	
Network Protector	1.5.5.39	2920, 2930F, 2930M, 3800, 3810, 5400R v2/v3	
Network Visualizer	1.2.7.164	2920, 2930F, 2930M, 3800, 3810, 5400R v2/v3	
IMC	7.2	2530, 2540, 2620, 2920, 2930F, 2930M, 3800, 3810, 5400R	2930M requires at least 7.3 E0503
ClearPass (CoA Port Bounce, Captive Portal)	6.6.0	2530, 2540, 2620, 2920, 2930F, 2930M, 3800, 3810, 5400R v2/v3	ClearPass version 6.7.0 is required for Advanced Threat Detection
<i>All software version references to 16.10 are for <b>16.10.0001</b></i>			
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