

Overview

Aruba 7000 Series Mobility Controllers

Improved network performance, visibility, and control



Product overview

Aruba 7000 Series Mobility Controllers improve WLAN performance by centralizing all control functionality for individual Aruba access points (APs) to improve AP utilization and client roaming. They also improve security by ensuring all traffic is encapsulated in GRE tunnels for complete encryption from AP to Controller.

Ideally suited for midsize campuses and branches, the 7000 Series enforces centrally-managed policies to ensure a consistent employee and guest experience wherever they connect. They can also be deployed using Zero Touch Provisioning (ZTP) to simplify deployment.

The 7000 Series runs the ArubaOS™ network operating system, and manages up to 4,096 concurrent users, 64 access points and include up to 24 Ethernet ports, and multiple WAN uplinks. With 8 Gbps of maximum throughput to perform stateful firewall policy enforcement, the controller delivers plenty of horsepower for the most demanding enterprise environments.

Product Summary

- 7005 Cloud Services Controller is a compact, fanless entry-level branch platform that can be powered by a Power-over-Ethernet (PoE) switch.
- 7008 Cloud Services Controller is a compact, fanless entry-level branch platform with 8 integrated PoE and PoE+ switch ports for small branch locations with some PoE requirements
- 7010 Cloud Services Controller is designed for mid-sized branch deployments that require several PoE and PoE+ switch ports.
- 7024 Cloud Services Controller is designed for mid-sized branch offices that require up to 24 switch ports for unified wired and wireless access.
- 7030 Cloud Services Controller is ideal for mid- to large- sized branch deployments that require unprecedented scale and performance.

Overview

24/7 Mission-Critical Networking

Aruba's unique, patented wireless technologies are based on AI-powered machine learning algorithms and integrated directly into ArubaOS. Adaptive Radio Management, AirMatch and ClientMatch (now enhanced with IEEE 802.11ax grouping) provide RF optimization techniques to improve user experience and network health based on changing environmental conditions, correct for noisy or congested RF and resolve sticky client issues during user roaming. RFProtect provides advanced spectrum analysis and wireless intrusion protection (WIPS/WIDS) to help identify and mitigate Wi-Fi and non-Wi-Fi sources of interference, as well as containment of potential security risks. Learn more about Aruba's software features in the ArubaOS datasheet.

When deployed with Aruba Mobility Master, the 7000 Series can be joined to a controller cluster to increase scale, improve reliability using High Availability (HA), adopt configurations seamlessly based on hierarchy, support Live Upgrades to reduce maintenance windows, and share licenses from a global licensing pool. The 7000 Series also serves a key policy enforcement role in Aruba's 360 Secure Fabric. Aruba AirWave provides real-time monitoring, reporting and Wi-Fi planning and visibility services.

Enhanced CapabilitiesIEEE 802.11ax (Wi-Fi 6) enhanced with ClientMatch

The latest Wi-Fi standard brings enhanced performance, speed, and efficiency with key features such as OFDMA, 1024-QAM, and bidirectional MU-MIMO. Combined with Aruba's patented ClientMatch technology, 802.11ax clients will now be grouped together to optimize the multi-user experience.

Enhanced Wireless Security

Support for WPA3 brings stronger encryption and authentication methods, while Enhanced Open brings automatic security to open networks. New WPA2-MPSK feature enables simpler passkey management for WPA2 devices – should the Wi-Fi password on one device need to be changed, no additional key changes are needed for other devices on the network.

Stateful Firewall

Enforcement of consistent user, device, and application experience across WLAN, LAN, and WAN. When deployed alongside Aruba ClearPass Policy Manager, policies can automatically be updated to simplify configuration.

Dynamic Segmentation

Each 7000 Series Mobility Controller enforces up-to-date policies from Aruba's ClearPass policy management system. Policies are based on role and applied uniformly across the WLAN and LAN – eliminating the need to configure per-switch ACLs, VLANs, and subnets.

Zero Touch Provisioning

The 7000 Series can be factory-shipped and deployed onsite with cloud-based Aruba Activate™. For network-specific requirements, settings can be applied based on hierarchical configuration.

Application Visibility and Control

AppRF™ with Deep Packet Inspection (DPI) technology consistently evaluates and optimizes performance and usage policies for over 2,600 applications to ensure the highest possible Quality of Service (QoS) – even for encrypted or hidden traffic.

Web Content Filtering

WebCC is an add-on feature of AppRF™ that classifies websites by content category and as rated by their reputation. Block, apply QoS, bandwidth-limit, mirror, and log web content just like what AppRF does for IP addresses and applications.

Overview

Unified Communications and Collaboration (UCC) Dashboard

Visualize and troubleshoot networks based on call quality metrics such as MOS, latency, jitter and packet loss. Supported applications include: Skype for Business®, Wi-Fi Calling, Facetime, SIP, Jabber, Spark and more.

Integrated VPN Services

With support for IPSec/SSL VPNs, Aruba Remote APs (RAPs) and Aruba VIA™ VPN users can establish encrypted sessions without any additional hardware required.

Third-party firewall support

For advanced malware or antivirus protection, the 7000 Series can assume the role of an on-premises agent of centrally-hosted firewalls such as those provided by Palo Alto Networks and Check Point Software. Dedicated firewall appliances are no longer needed at each branch.

Configuration

7000 Ordering Guide

Step 1: Select the appropriate 7005 Chassis

Description	Part Number
Aruba 7005 (RW) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW633A
Aruba 7005 (US) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW634A
Aruba 7005 (IL) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW637A
Aruba 7005 (JP) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW639A
Aruba 7005 (EG) 4x 10/100/1000BASE-T Ports 16 AP Branch Controller	JY849A
Aruba 7005 (RW) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW635A
Aruba 7005 (US) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW636A
Aruba 7005 (IL) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW638A
Aruba 7005 (JP) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW640A

Step 2: Select Power Supply (Optional)

Description	Part Number
AP-AC-12V30A 12V/30W AC/DC Desktop Style 1.7/4.0/9.5mm Circular 90 Deg Plug DoE Level VI Adapter	JX989A

NOTE: 7005 Controller is normally powered by 802.3at complaint PoE

Step 3: Power Cord for Optional Supply (JX989A)

Description	Part Number
PC-AC-ARG Argentina 220V AC 10A 2-meter AC Power Cord	JW113A
PC-AC-AUS Australian AC Power Cord	JW114A
PC-AC-BR Brazil AC Power Cord	JW115A
PC-AC-CHN China AC Power Cord	JW116A
PC-AC-DEN Denmark 220V AC 10A 2-meter AC Power Cord	JW117A
PC-AC-EC Continental European/Schuko AC Power Cord	JW118A
PC-AC-IN India AC Power Cord	JW119A
PC-AC-IL Israel 250V AC 10A 2-meter AC Power Cord	JW120A
PC-AC-IT Italian AC Power Cord	JW121A
PC-AC-JP Japanese AC Power Cord	JW122A
PC-AC-KOR Korea AC Power Cord	JW123A
PC-AC-NA North America AC Power Cord	JW124A
PC-AC-SWI Switzerland 220V AC 10A 2-meter AC Power Cord	JW125A
PC-AC-UK UK AC Power Cord	JW127A
PC-AC-ZA South Africa 250V AC 10A 2-meter AC Power Cord	JW128A

Step 4: Shelf Mount Kit (Optional)

Description	Part Number
Aruba 7005-MNT-19 7005 Series 19-inch Rack Mount Kit	JW084A

Step 5: Available Individual AP licenses

Description	Part Number
Aruba LIC-AP Controller per AP Capacity License E-LTU	JW472AAE
Aruba LIC-PEF Controller Policy Enforcement Firewall Per AP License E-LTU	JW473AAE

Configuration

Aruba LIC-RFP Controller RFPProtect Per AP License E-LTU	JW474AAE
Aruba LIC-ACR Controller Advanced Cryptography 1 Session License E-LTU	Q9B90AAE
Aruba LIC-ACR-8 Controller Advanced Cryptography 8 Session License E-LTU	JW538AAE
Aruba LIC-ACR-32 Controller Advanced Cryptography 32 Session License E-LTU	JW539AAE
Aruba LIC-ACR-64 Controller Advanced Cryptography 64 Session License E-LTU	JW540AAE
Aruba LIC-ACR-128 Controller Advanced Cryptography 128 Session License E-LTU	JW541AAE
Aruba LIC-ACR-256 Controller Advanced Cryptography 256 Session License E-LTU	JW542AAE
Aruba LIC-ACR-512 Controller Advanced Cryptography 512 Session License E-LTU	JW543AAE
Aruba LIC-ACR-1024 Controller Advanced Cryptography 1024 Session License E-LTU	JW544AAE
Aruba Controller Web Content Classification 1 Year Subscription E-STU	JY028AAE
Aruba Controller Web Content Classification 3 Year Subscription E-STU	JY029AAE
Aruba Controller Web Content Classification 5 Year Subscription E-STU	JY030AAE
Aruba Controller Web Content Classification 7 Year Subscription E-STU	JY031AAE
Aruba Controller Web Content Classification 10 Year Subscription E-STU	JY032AAE

NOTE: For each AP attached to the controller the minimal configuration is 1xLIC-AP per AP.

Step 6: Bundled AP license

Description	Part Number
Aruba LIC-ENT Enterprise (LIC-AP LIC-PEF LIC-RFP and LIC-AW) Licence Bundle E-LTU	JW471AAE

NOTE: Configure these as at least one per AP connected to the controller

- LIC-ENT (JW471AAE) is equivalent to 1 each of LIC-AP, LIC-REF, LIC-RFP, and LIC-AW.
- LIC-AW is a device license for AirWave Management system

Step 7: PEFV License

Description	Part Number
Aruba LIC-7005-PEFV Controller Policy Enforcement Firewall for Aruba 7005 Cntrlr License E-LTU	JW495AAE

NOTE: This license enables firewall services on a per controller basis for VPN termination such as Aruba VIA and IAP-VPN

7008 Ordering Guide

Step 1: Select the appropriate 7008 Chassis

Description	Part Number
Aruba 7008 (IL) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX925A
Aruba 7008 (JP) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX926A
Aruba 7008 (RW) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX927A
Aruba 7008 (US) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX928A
Aruba 7008 (IL) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX929A
Aruba 7008 (JP) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX930A
Aruba 7008 (RW) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX931A
Aruba 7008 (US) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX932A

Step 2: Select AC power cord for main power supply

Description	Part Number
PC-AC-ARG Argentina 220V AC 10A 2-meter AC Power Cord	JW113A
PC-AC-AUS Australian AC Power Cord	JW114A
PC-AC-BR Brazil AC Power Cord	JW115A

Configuration

PC-AC-CHN China AC Power Cord	JW116A
PC-AC-DEN Denmark 220V AC 10A 2-meter AC Power Cord	JW117A
PC-AC-EC Continental European/Schuko AC Power Cord	JW118A
PC-AC-IN India AC Power Cord	JW119A
PC-AC-IL Israel 250V AC 10A 2-meter AC Power Cord	JW120A
PC-AC-IT Italian AC Power Cord	JW121A
PC-AC-JP Japanese AC Power Cord	JW122A
PC-AC-KOR Korea AC Power Cord	JW123A
PC-AC-NA North America AC Power Cord	JW124A
PC-AC-SWI Switzerland 220V AC 10A 2-meter AC Power Cord	JW125A
PC-AC-UK UK AC Power Cord	JW127A
PC-AC-ZA South Africa 250V AC 10A 2-meter AC Power Cord	JW128A

Step 3: Spare Power Supply (Optional)

Description	Part Number
Aruba PSU-310-AC 7008 Series 150W AC Spare Power Supply	JX933A

Step 4: Select AC power cord for spare power supply

Description	Part Number
PC-AC-ARG Argentina 220V AC 10A 2-meter AC Power Cord	JW113A
PC-AC-AUS Australian AC Power Cord	JW114A
PC-AC-BR Brazil AC Power Cord	JW115A
PC-AC-CHN China AC Power Cord	JW116A
PC-AC-DEN Denmark 220V AC 10A 2-meter AC Power Cord	JW117A
PC-AC-EC Continental European/Schuko AC Power Cord	JW118A
PC-AC-IN India AC Power Cord	JW119A
PC-AC-IL Israel 250V AC 10A 2-meter AC Power Cord	JW120A
PC-AC-IT Italian AC Power Cord	JW121A
PC-AC-JP Japanese AC Power Cord	JW122A
PC-AC-KOR Korea AC Power Cord	JW123A
PC-AC-NA North America AC Power Cord	JW124A
PC-AC-SWI Switzerland 220V AC 10A 2-meter AC Power Cord	JW125A
PC-AC-UK UK AC Power Cord	JW127A
PC-AC-ARG Argentina 220V AC 10A 2-meter AC Power Cord	JW113A

Step 5: Shelf Mount Kit (Optional)

Description	Part Number
Aruba 7008-MNT-19 7008 Series 19-inch Rack Mount Kit	JX934A

Step 6: Available Individual AP licenses

Description	Part Number
Aruba LIC-AP Controller per AP Capacity License E-LTU	JW472AAE
Aruba LIC-PEF Controller Policy Enforcement Firewall Per AP License E-LTU	JW473AAE
Aruba LIC-RFP Controller RFProtect Per AP License E-LTU	JW474AAE
Aruba LIC-ACR Controller Advanced Cryptography 1 Session License E-LTU	Q9B90AAE
Aruba LIC-ACR-8 Controller Advanced Cryptography 8 Session License E-LTU	JW538AAE
Aruba LIC-ACR-32 Controller Advanced Cryptography 32 Session E-LTU	JW539AAE
Aruba LIC-ACR-64 Controller Advanced Cryptography 64 Session License E-LTU	JW540AAE
Aruba LIC-ACR-128 Controller Advanced Cryptography 128 Session License E-LTU	JW541AAE

Configuration

Aruba LIC-ACR-256 Controller Advanced Cryptography 256 Session License E-LTU	JW542AAE
Aruba LIC-ACR-512 Controller Advanced Cryptography 512 Session License E-LTU	JW543AAE
Aruba LIC-ACR-1024 Controller Advanced Cryptography 1024 Session License E-LTU	JW544AAE
Aruba Controller Web Content Classification 1 Year Subscription E-STU	JY028AAE
Aruba Controller Web Content Classification 3 Year Subscription E-STU	JY029AAE
Aruba Controller Web Content Classification 5 Year Subscription E-STU	JY030AAE
Aruba Controller Web Content Classification 7 Year Subscription E-STU	JY031AAE
Aruba Controller Web Content Classification 10 Year Subscription E-STU	JY032AAE

NOTE: For each AP attached to the controller the minimal configuration is 1xLIC-AP per A

Step 7: Bundled AP license

Description	Part Number
Aruba LIC-ENT Enterprise (LIC-AP LIC-PEF LIC-RFP and LIC-AW) Licence Bundle E-LTU	JW471AAE

NOTE: Configure these as at least one per AP connected to the controller

- LIC-ENT (JW471AAE) is equivalent to 1 each of LIC-AP, LIC-REF, LIC-RFP, and LIC-AW.
- LIC-AW is a device license for AirWave Management system

Step 8: PEFV License

Description	Part Number
Aruba LIC-7008-PEFV Controller Policy Enforcement Firewall for Aruba 7008 Cntrlr License E-LTU	JY342AAE

NOTE: This license enables firewall services on a per controller basis for VPN termination such as Aruba VIA and IAP-VPN.

7010 Ordering Guide

Step 1: Select the appropriate 7010 Chassis

Description	Part Number
Aruba 7010 (RW) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller	JW678A
Aruba 7010 (US) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller	JW679A
Aruba 7010(IL) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 for AP and 2K Clients Cntrlr	JW680A
Aruba 7010 (JP) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP for 32 AP and 2K Clients Cntrlr	JW681A
Aruba 7010 (EG) 16x 1000BASE-T + 2x SFP Ports 32 AP Branch Controller	JY850A
Aruba 7010 (RW) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1GBASE-X SFP 32 AP and 2K Clnts Cntrlr	JW702A
Aruba 7010 (US) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1GBASE-X SFP 32 AP and 2K Clnts Cntrlr	JW703A
Aruba 7010 (IL) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clnts Cntrlr	JW704A
Aruba 7010 (JP) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1GBASE-X SFP 32 AP and 2K Clnts Cntrlr	JW705A

Step 2: Select AC power cord

Description	Part Number
PC-AC-ARG Argentina 220V AC 10A 2-meter AC Power Cord	JW113A
PC-AC-AUS Australian AC Power Cord	JW114A
PC-AC-BR Brazil AC Power Cord	JW115A

Configuration

PC-AC-CHN China AC Power Cord	JW116A
PC-AC-DEN Denmark 220V AC 10A 2-meter AC Power Cord	JW117A
PC-AC-EC Continental European/Schuko AC Power Cord	JW118A
PC-AC-IN India AC Power Cord	JW119A
PC-AC-IL Israel 250V AC 10A 2-meter AC Power Cord	JW120A
PC-AC-IT Italian AC Power Cord	JW121A
PC-AC-JP Japanese AC Power Cord	JW122A
PC-AC-KOR Korea AC Power Cord	JW123A
PC-AC-NA North America AC Power Cord	JW124A
PC-AC-SWI Switzerland 220V AC 10A 2-meter AC Power Cord	JW125A
PC-AC-UK UK AC Power Cord	JW127A
PC-AC-ZA South Africa 250V AC 10A 2-meter AC Power Cord	JW128A

Step 3: Select Transceivers for SFP Ports

Description	Part Number
SFP-LX 1000BASE-LX SFP 1310nm LC Connector Pluggable GbE XCVR	JW087A
SFP-SX 1000BASE-SX SFP 850nm LC Connector Pluggable GbE XCVR	JW088A

NOTE: There are 2 SFP 10/100/1000 ports on 7010

Step 4: Spare Mount Kit

Description	Part Number
Aruba 7010-MNT-19 7010 Series Replacement 19-inch Rack Mounting Kit	JW085A

Step 5: Available Individual AP licenses

Description	Part Number
Aruba LIC-AP Controller per AP Capacity License E-LTU	JW472AAE
Aruba LIC-PEF Controller Policy Enforcement Firewall Per AP License E-LTU	JW473AAE
Aruba LIC-RFP Controller RFPProtect Per AP License E-LTU	JW474AAE
Aruba LIC-ACR Controller Advanced Cryptography 1 Session License E-LTU	Q9B90AAE
Aruba LIC-ACR-8 Controller Advanced Cryptography 8 Session License E-LTU	JW538AAE
Aruba LIC-ACR-32 Controller Advanced Cryptography 32 Session E-LTU	JW539AAE
Aruba LIC-ACR-64 Controller Advanced Cryptography 64 Session License E-LTU	JW540AAE
Aruba LIC-ACR-128 Controller Advanced Cryptography 128 Session License E-LTU	JW541AAE
Aruba LIC-ACR-256 Controller Advanced Cryptography 256 Session License E-LTU	JW542AAE
Aruba LIC-ACR-512 Controller Advanced Cryptography 512 Session License E-LTU	JW543AAE
Aruba LIC-ACR-1024 Controller Advanced Cryptography 1024 Session License E-LTU	JW544AAE
Aruba Controller Web Content Classification 1 Year Subscription E-STU	JY028AAE
Aruba Controller Web Content Classification 3 Year Subscription E-STU	JY029AAE
Aruba Controller Web Content Classification 5 Year Subscription E-STU	JY030AAE
Aruba Controller Web Content Classification 7 Year Subscription E-STU	JY031AAE
Aruba Controller Web Content Classification 10 Year Subscription E-STU	JY032AAE

NOTE: For each AP attached to the controller the minimal configuration is 1xLIC-AP per AP

Step 6: Bundled AP Licenses

Description	Part Number
Aruba LIC-ENT Enterprise (LIC-AP LIC-PEF LIC-RFP and LIC-AW) Licence Bundle E-LTU	JW471AAE

NOTE: Configure these as at least one per AP connected to the controller

- LIC-ENT (JW471AAE) is equivalent to 1 each of LIC-AP, LIC-REF, LIC-RFP, and LIC-AW.
- LIC-AW is a device license for AirWave Management system

Configuration

Step 7: PEFV License

Description	Part Number
Aruba LIC-7010-PEFV Controller Policy Enforcement Firewall for Aruba 7010 Cntrlr License E-LTU	JW496AAE
NOTE: This license enables firewall services on a per controller basis for VPN termination such as Aruba VIA and IAP-VPN.	

7024 Ordering Guide

Step 1: Select the appropriate 7024 Chassis

Description	Part Number
Aruba 7024 (RW) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW682A
Aruba 7024 (US) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW683A
Aruba 7024 (IL) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW684A
Aruba 7024 (JP) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW685A
Aruba 7024 (RW) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW706A
Aruba 7024 (US) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW707A
Aruba 7024 (IL) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW708A
Aruba 7024 (JP) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW709A

Step 2: Select AC power cord

Description	Part Number
PC-AC-ARG Argentina 220V AC 10A 2-meter AC Power Cord	JW113A
PC-AC-AUS Australian AC Power Cord	JW114A
PC-AC-BR Brazil AC Power Cord	JW115A
PC-AC-CHN China AC Power Cord	JW116A
PC-AC-DEN Denmark 220V AC 10A 2-meter AC Power Cord	JW117A
PC-AC-EC Continental European/Schuko AC Power Cord	JW118A
PC-AC-IN India AC Power Cord	JW119A
PC-AC-IL Israel 250V AC 10A 2-meter AC Power Cord	JW120A
PC-AC-IT Italian AC Power Cord	JW121A
PC-AC-JP Japanese AC Power Cord	JW122A
PC-AC-KOR Korea AC Power Cord	JW123A
PC-AC-NA North America AC Power Cord	JW124A
PC-AC-SWI Switzerland 220V AC 10A 2-meter AC Power Cord	JW125A
PC-AC-UK UK AC Power Cord	JW127A
PC-AC-ZA South Africa 250V AC 10A 2-meter AC Power Cord	JW128A

Step 3: Select Transceivers for SFP/SFP+ Ports (Optional)

Description	Part Number
SFP-LX 1000BASE-LX SFP 1310nm LC Connector Pluggable GbE XCVR	JW087A
SFP-SX 1000BASE-SX SFP 850nm LC Connector Pluggable GbE XCVR	JW088A
SFP-TX 1000BASE-T SFP Copper GbE RJ45 Connector Pluggable XCVR	JW089A
SFP-10GE-LRM 10GBASE-LRM SFP+ 1310nm LC Connector Pluggable 10GbE XCVR	JW090A
SFP-10GE-SR 10GBASE-SR SFP+ 850nm Pluggable LC Connector 10GbE XCVR	JW091A

Configuration

SFP-10GE-LR 10GBASE-LR SFP+ 1310nm Pluggable LC Connector 10GbE XCVR	JW092A
DAC-SFP-10GE-1M 1m 10GbE SFP+ Twinax Connectors Direct Attach Cable	JW101A
DAC-SFP-10GE-3M 3m 10GbE SFP+ Twinax Connectors Direct Attach Cable	JW102A
DAC-SFP-10GE-50CM 50cm 10GbE SFP+ Twinax Connectors Direct Attach Cable	JW100A
DAC-SFP-10GE-5M 5m 10GbE SFP+ Twinax Connectors Direct Attach Cable	JW103A
DAC-SFP-10GE-7M 7m 10GbE SFP+ Twinax Connectors Direct Attach Cable	JW104A

Step 4: Mount (Optional)

Description	Part Number
Aruba 7030-MNT-19 7030 Series Replacement 19-inch Rack Mounting Kit	JW086A
Aruba SPR-WL2-MNT S1500-24/-48/S2500/S1500-24/-48/S2500 Wall and Rack Mount Kit	JW083A

Step 5: Available Individual AP licenses

Description	Part Number
Aruba LIC-AP Controller per AP Capacity License E-LTU	JW472AAE
Aruba LIC-PEF Controller Policy Enforcement Firewall Per AP License E-LTU	JW473AAE
Aruba LIC-RFP Controller RFPProtect Per AP License E-LTU	JW474AAE
Aruba LIC-ACR Controller Advanced Cryptography 1 Session License E-LTU	Q9B90AAE
Aruba LIC-ACR-8 Controller Advanced Cryptography 8 Session License E-LTU	JW538AAE
Aruba LIC-ACR-32 Controller Advanced Cryptography 32 Session E-LTU	JW539AAE
Aruba LIC-ACR-64 Controller Advanced Cryptography 64 Session License E-LTU	JW540AAE
Aruba LIC-ACR-128 Controller Advanced Cryptography 128 Session License E-LTU	JW541AAE
Aruba LIC-ACR-256 Controller Advanced Cryptography 256 Session License E-LTU	JW542AAE
Aruba LIC-ACR-512 Controller Advanced Cryptography 512 Session License E-LTU	JW543AAE
Aruba LIC-ACR-1024 Controller Advanced Cryptography 1024 Session License E-LTU	JW544AAE
Aruba Controller Web Content Classification 1 Year Subscription E-STU	JY028AAE
Aruba Controller Web Content Classification 3 Year Subscription E-STU	JY029AAE
Aruba Controller Web Content Classification 5 Year Subscription E-STU	JY030AAE
Aruba Controller Web Content Classification 7 Year Subscription E-STU	JY031AAE
Aruba Controller Web Content Classification 10 Year Subscription E-STU	JY032AAE

NOTE: For each AP attached to the controller the minimal configuration is 1xLIC-AP per AP.

Step 6: Bundled AP license

Description	Part Number
Aruba LIC-ENT Enterprise (LIC-AP LIC-PEF LIC-RFP and LIC-AW) Licence Bundle E-LTU	JW471AAE

NOTE: Configure these as at least one per AP connected to the controller

- LIC-ENT (JW471AAE) is equivalent to 1 each of LIC-AP, LIC-REF, LIC-RFP, and LIC-AW.
- LIC-AW is a device license for AirWave Management system

Step 7: PEFV License

Description	Part Number
Aruba LIC-7024-PEFV Controller Policy Enforcement Firewall for Aruba 7024 Cntrlr License E-LTU	JW497AAE

NOTE: This license enables firewall services on a per controller basis for VPN termination such as Aruba VIA and IAP-VPN.

7030 Ordering Guide

Configuration

Step 1: Select the appropriate 7030 Chassis

Description	Part Number
Aruba 7030 (RW) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	JW686A
Aruba 7030 (US) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	JW687A
Aruba 7030 (IL) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	JW688A
Aruba 7030 (JP) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	JW689A
Aruba 7030 (EG) 8x 1000BASE-T or 8xSFP64 AP Branch Controller	JY851A
Aruba 7030 (RW) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clnts Cntrlr	JW710A
Aruba 7030 (US) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clnts Cntrlr	JW711A
Aruba 7030 (IL) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T 1GBASE-X SFP 64 AP and 4K Clnts Cntrlr	JW712A
Aruba 7030 (JP) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clnts Cntrlr	JW713A

Step 2: Select AC power cord for main power supply for AC Powered Units

Description	Part Number
PC-AC-ARG Argentina 220V AC 10A 2-meter AC Power Cord	JW113A
PC-AC-AUS Australian AC Power Cord	JW114A
PC-AC-BR Brazil AC Power Cord	JW115A
PC-AC-CHN China AC Power Cord	JW116A
PC-AC-DEN Denmark 220V AC 10A 2-meter AC Power Cord	JW117A
PC-AC-EC Continental European/Schuko AC Power Cord	JW118A
PC-AC-IN India AC Power Cord	JW119A
PC-AC-IL Israel 250V AC 10A 2-meter AC Power Cord	JW120A
PC-AC-IT Italian AC Power Cord	JW121A
PC-AC-JP Japanese AC Power Cord	JW122A
PC-AC-KOR Korea AC Power Cord	JW123A
PC-AC-NA North America AC Power Cord	JW124A
PC-AC-SWI Switzerland 220V AC 10A 2-meter AC Power Cord	JW125A
PC-AC-UK UK AC Power Cord	JW127A
PC-AC-ZA South Africa 250V AC 10A 2-meter AC Power Cord	JW128A

Step 3: Select Transceivers for Combo Ports (Optional)

Description	Part Number
SFP-LX 1000BASE-LX SFP 1310nm LC Connector Pluggable GbE XCVR	JW087A
SFP-SX 1000BASE-SX SFP 850nm LC Connector Pluggable GbE XCVR	JW088A

NOTE: There are 8 combo ports on 7030 10/100/1000 or SFP

Step 4: Mount (Optional)

Description	Part Number
Aruba 7030-MNT-19 7030 Series Replacement 19-inch Rack Mounting Kit	JW086A

Step 5: Available Individual AP licenses

Description	Part Number
Aruba LIC-AP Controller per AP Capacity License E-LTU	JW472AAE
Aruba LIC-PEF Controller Policy Enforcement Firewall Per AP License E-LTU	JW473AAE
Aruba LIC-RFP Controller RFProtect Per AP License E-LTU	JW474AAE
Aruba LIC-ACR Controller Advanced Cryptography 1 Session License E-LTU	Q9B90AAE
Aruba LIC-ACR-8 Controller Advanced Cryptography 8 Session License E-LTU	JW538AAE
Aruba LIC-ACR-32 Controller Advanced Cryptography 32 Session E-LTU	JW539AAE
Aruba LIC-ACR-64 Controller Advanced Cryptography 64 Session License E-LTU	JW540AAE

Configuration

Aruba LIC-ACR-128 Controller Advanced Cryptography 128 Session License E-LTU	JW541AAE
Aruba LIC-ACR-256 Controller Advanced Cryptography 256 Session License E-LTU	JW542AAE
Aruba LIC-ACR-512 Controller Advanced Cryptography 512 Session License E-LTU	JW543AAE
Aruba LIC-ACR-1024 Controller Advanced Cryptography 1024 Session License E-LTU	JW544AAE
Aruba Controller Web Content Classification 1 Year Subscription E-STU	JY028AAE
Aruba Controller Web Content Classification 3 Year Subscription E-STU	JY029AAE
Aruba Controller Web Content Classification 5 Year Subscription E-STU	JY030AAE
Aruba Controller Web Content Classification 7 Year Subscription E-STU	JY031AAE
Aruba Controller Web Content Classification 10 Year Subscription E-STU	JY032AAE

NOTE: For each AP attached to the controller the minimal configuration is 1xLIC-AP per AP.

Step 6: Bundled AP license

Description	Part Number
Aruba LIC-ENT Enterprise (LIC-AP LIC-PEF LIC-RFP and LIC-AW) Licence Bundle E-LTU	JW471AAE

NOTE: Configure these as at least one per AP connected to the controller

- LIC-ENT (JW471AAE) is equivalent to 1 each of LIC-AP, LIC-REF, LIC-RFP, and LIC-AW.
- LIC-AW is a device license for AirWave Management system

Step 7: PEFV License

Description	Part Number
Aruba LIC-7030-PEFV Controller Policy Enforcement Firewall for Aruba 7030 Cntrlr License E-LTU	JW498AAE

NOTE: This license enables firewall services on a per controller basis for VPN termination such as Aruba VIA and IAP-VPN.

Technical Specifications

Performance and Capacity					
Features	7005	7008	7010	7024	7030
Maximum campus or remote AP licenses	16	16	32	32	64
Maximum concurrent users/devices	1,024	1,024	2,048	2,048	4,096
Maximum VLANs	4,094	4,094	4,094	4,094	4,094
Active firewall sessions	16,384	16,384	32,768	32,768	65,536
Concurrent GRE tunnels	256	256	512	512	1,024
Concurrent IPsec sessions	512	512	1,024	1,024	2,048
Concurrent tunneled ports	512	512	1,024	1,024	2,048
Firewall throughput	2 Gbps	2 Gbps	4 Gbps	4 Gbps	8 Gbps
Wired bridged throughput	4 Gbps	4 Gbps	8 Gbps	8 Gbps	8 Gbps
Encrypted throughput 3DES	1.2 Gbps	1.2 Gbps	2.4 Gbps	2.4 Gbps	2.4 Gbps
Encrypted throughput AES-CBC-256	1.3 Gbps	1.3 Gbps	2.6 Gbps	2.6 Gbps	2.6 Gbps
Encrypted throughput AES-CCM	1.9 Gbps	2.2 Gbps	3.5 Gbps	3.5 Gbps	4.0 Gbps
Encrypted throughput AES-GCM-256	1.7 Gbps	1.7 Gbps	3.4 Gbps	3.4 Gbps	3.4 Gbps

Technical Specifications

Interfaces and Indicators

Features	7005	7008	7010	7024	7030
Form factor/footprint	Desktop/ fanless	Desktop/ fanless	1 RU	1 RU	1 RU
10/100/1000BASE-T	4	8	16	24	8 (combo)
1000BASE-X	N/A	N/A	2 SFP	N/A	8 (combo)
10G Ports (10G or 1G supported)	N/A	N/A	N/A	2xSFP+	N/A
USB 2.0	1	1	1	1	1
Management/status LEDs	Yes	Yes	Yes	Yes	Yes
LINK/ACT and status LEDs	Yes	Yes	Yes	Yes	Yes
LCD panel and navigation buttons	No	No	Yes	Yes	Yes
Console port	micro USB/RJ-45	micro USB/RJ-45	micro USB/RJ-45	micro USB/RJ-45	micro USB/RJ-45
Out-of-band management port	No	No	Yes	Yes	Yes

Power Over Ethernet (PoE) Support

Features	7005	7008	7010	7024	7030
PoE ¹ Role/Model	Powered Device (PD)	Power Source Equipment (PSE)	PSE	PSE	-
PoE In or Out	In – Port 0	Out	Out	Out	-
Number of PoE+ ² capable Ports	-	8	12	24	-
Max concurrent of PoE Ports	-	8	12	24	-
Max concurrent PoE+ Ports	-	3	5	13	-
PoE Power Budget	-	100W	150W	400W	-

Technical Specifications

¹ PoE: 802.3af, 15.4W from the PSE and 12.95W at the PD

² PoE+: 802.3at, 30W from the PSE and 25.5W at the PD

Physical

Features	7005	7008	7010	7024	7030
Dimensions (H x W x D)	4.1 cm x 20 cm x 20 cm (1.6" x 7.9" x 7.9")	4.2 cm x 20.32 cm x 20.32cm (1.65" x 8.0" x 8.0")	4.42 cm x 31.75 cm x 33.7 cm (1.74" x 12.75" x 13.3")	4.37 cm x 44.2 cm x 31.3 cm (1.72" x 17.4" x 12.32")	4.4 cm x 30.5 cm x 21.1 cm (1.7" x 12" x 8.3")
Weight	0.92 kg (2.03 lbs)	1.0 kg (2.2 lbs)	3.4 kg (7.5 lbs)	5.127 kg (11.3 lbs)	2.06 kg (4.54 lbs)
MTBF (hours, @ 25C)	323,896	300,000	232,843	311,901	390,679

Environmental Range

Specification	7005	7008	7010	7024	7030
Operating temperature	0° C to 40° C				
Storage temperature	-40° C to 70° C				
Humidity/storage humidity	5% to 95%, NC	5% to 95%, NC	5% to 95%, NC	10% to 95%, NC	5% to 95%, NC
Operating altitude	10,000 feet				
Acoustic noise¹	0 dBA (fanless)	0 dBA (fanless)	39.8 – 58.6 dBA	34.3 – 71.2 dBA	29.1 – 57.4 dBA
Maximum power consumption	16.6 W (with USB)	126W with PoE (26W without PoE)	190 W (with PoE)	450 W (with PoE)	55 W
Power Source	PoE or 12v - 30W	150-watt power supply	internal power supply	internal power supply	internal power supply

Technical Specifications

Power Adapter and Supply Specifications

Features	12v – 30W	150-watt
Input voltage range	90 VAC to 264 VAC	90 VAC to 264 VAC
Output Voltage	+12VDC, 4A	54VDC, 2.78A
Input frequency	47-63 Hz	47-63 Hz
AC line input current (steady state)	1.0A	2.0A
Operating Temperature	-0o to +40o C	-0o to +40o C
Cooling	-	-
Weight	.24 kg (.53 lbs)	.72 kg (1.58 lbs)

Regulatory and Safety Compliance

Description	Specification
Safety certifications	UL 60950-1 Second Edition CAN/CSA-C22.2 No. 60950-1 Second Edition EN 60950-1 Second Edition EN 60950:2005 IEC 60950-1 Second Edition NOM (obtained by partners and distributors)
Electromagnetic emissions certifications	FCC Part 15 Class B CE AS/NZS CISPR22 Class B CISPR22 Class A (7010, 7024, 7030), Class B (7005) EN55022 Class A (7010, 7024, 7030), Class B (7005) ICES-003 Class A (7010, 7024, 7030), Class B (7005) VCCI Class A (7010, 7024, 7030), Class B (7005) EN61000-3-2 EN61000-3-3 EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4- 6, EN 61000-4-8, EN 61000-4-11, AS/NZS 3548 KN22 Class B KCC CNS13438 Class B EN55024/CISPR24 KN24 Industry Canada Class B CE mark, cTUVus, CB, C-tick, Anatel, NOM, MIC

Technical Specifications

Telco	Common Language Equipment Identifier (CLEI) Code
Regulatory SKU information	ARCN01014(7005), ARCN0103(7010), ARCN7024(7024), ARCN7030(7030)
Minimum ArubaOS Release	7005, AOS 6.4.1.0; 7010, AOS 6.4.1.0; 7024, AOS 6.4.3.0; 7030, AOS 6.4.1.0

Service and Warranty Information

Hardware: 1 year parts/ labor, can be extended with support contract
Software: 90 days, can be extended with support contract

Technical Specifications

Ordering Information (refer to the ordering guide for complete hardware and software SKUs)

Description	Part Number
Aruba 7005 Series Mobility Controllers	
Aruba 7005 (RW) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW633A
Aruba 7005 (US) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW634A
Aruba 7005 (RW) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW635A
Aruba 7005 (US) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW636A
Aruba 7005 (IL) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW637A
Aruba 7005 (IL) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW638A
Aruba 7005 (JP) 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW639A
Aruba 7005 (JP) FIPS/TAA-compliant 4-port 10/100/1000BASE-T 16 AP and 1K Client Controller	JW640A
Aruba 7005 (EG) 4x 10/100/1000BASE-T Ports 16 AP Branch Controller	JY849A
Aruba 7008 Series Mobility Controllers	
Aruba 7008 (IL) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX925A
Aruba 7008 (JP) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX926A
Aruba 7008 (RW) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX927A
Aruba 7008 (US) 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX928A
Aruba 7008 (IL) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX929A
Aruba 7008 (JP) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX930A
Aruba 7008 (RW) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX931A
Aruba 7008 (US) FIPS/TAA 8p 100W PoE+ 10/100/1000BASE-T 16 AP and 1K Client Controller	JX932A
Aruba 7010 Series Mobility Controllers	
Aruba 7010 (RW) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller	JW678A
Aruba 7010 (US) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller	JW679A
Aruba 7010(IL) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 for AP and 2K Clients Cntrlr	JW680A
Aruba 7010 (JP) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP for 32 AP and 2K Clients Cntrlr	JW681A
Aruba 7010 (RW) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1GBASE-X SFP 32 AP and 2K Clnts Cntrlr	JW702A
Aruba 7010 (US) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1GBASE-X SFP 32 AP and 2K Clnts Cntrlr	JW703A
Aruba 7010 (IL) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clnts Cntrlr	JW704A
Aruba 7010 (JP) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1GBASE-X SFP 32 AP and 2K Clnts Cntrlr	JW705A
Aruba 7010 (EG) 16x 1000BASE-T + 2x SFP Ports 32 AP Branch Controller	JY850A
Aruba 7024 Series Mobility Controllers	
Aruba 7024 (RW) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW682A
Aruba 7024 (US) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW683A
Aruba 7024 (IL) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW684A
Aruba 7024 (JP) 24-port 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW685A
Aruba 7024 (RW) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW706A
Aruba 7024 (US) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW707A
Aruba 7024 (IL) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW708A
Aruba 7024 (JP) FIPS/TAA-compliant 24p 400W PoE+ 10G BASE-X SFP+ 32 AP and 2K Clients Controller	JW709A

Technical Specifications

Aruba 7030 Series Mobility Controllers

Aruba 7030 (RW) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	JW686A
Aruba 7030 (US) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	JW687A
Aruba 7030 (IL) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	JW688A
Aruba 7030 (JP) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	JW689A
Aruba 7030 (RW) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clnts Cntrlr	JW710A
Aruba 7030 (US) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clnts Cntrlr	JW711A
Aruba 7030 (IL) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T 1GBASE-X SFP 64 AP and 4K Clnts Cntrlr	JW712A
Aruba 7030 (JP) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clnts Cntrlr	JW713A
Aruba 7030 (EG) 8x 1000BASE-T or 8xSFP64 AP Branch Controller	JY851A
Aruba 7030 (US) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	

Controller Accessories

AP-AC-12V30A 12V/30W AC/DC Desktop Style 1.7/4.0/9.5mm Circular 90 Deg Plug DoE Level VI Adapter	JX989A
Aruba PSU-310-AC 7008 Series 150W AC Spare Power Supply	JX933A
Aruba SPR-WL2-MNT S1500-24/-48/S2500/S1500-24/-48/S2500 Wall and Rack Mount Kit	JW083A
Aruba 7005-MNT-19 7005 Series 19-inch Rack Mount Kit	JW084A
Aruba 7008-MNT-19 7008 Series 19-inch Rack Mount Kit	JX934A
Aruba 7010-MNT-19 7010 Series Replacement 19-inch Rack Mounting Kit	JW085A
Aruba SPR-RK3-MNT 7205 / 7024 / S2500-xx / S1500-24P/48P Spare Front Rack Mount	JW082A
Aruba 7030-MNT-19 7030 Series Replacement 19-inch Rack Mounting Kit	JW086A

Technical Specifications

Transceivers

7010	7024	7030	Description	Part Number
X	X	X	SFP-LX 1000BASE-LX SFP 1310nm LC Connector Pluggable GbE XCVR	JW087A
X	X	X	SFP-SX 1000BASE-SX SFP 850nm LC Connector Pluggable GbE XCVR	JW088A
X	X	X	SFP-TX 1000BASE-T SFP Copper GbE RJ45 Connector Pluggable XCVR	JW089A
X	X	X	Aruba SFP-EX 1000BASE-EX SFP 1310nm LC Connector Pluggable GbE XCVR	JW149A
X	X	X	Aruba SFP-ZX 1000BASE-ZX SFP 1310nm LC Connector Pluggable GbE XCVR	JW150A
X ¹	X ¹	X ¹	Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
X ¹	X ¹	X ¹	Aruba 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
X ²	X ²	X ²	Aruba 1G SFP LC LH 70km SMF Transceiver	J4860D
X ¹	X ¹	X ¹	Aruba 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D
	X		SFP-10GE-LR 10GBASE-LR SFP+ 1310nm Pluggable LC Connector 10GbE XCVR	JW092A
	X		SFP-10GE-SR 10GBASE-SR SFP+ 850nm Pluggable LC Connector 10GbE XCVR	JW091A
	X		SFP-10GE-LRM 10GBASE-LRM SFP+ 1310nm LC Connector Pluggable 10GbE XCVR	JW090A
	X		DAC-SFP-10GE-50CM 50cm 10GbE SFP+ Twinax Connectors Direct Attach Cable	JW100A
	X		DAC-SFP-10GE-1M 1m 10GbE SFP+ Twinax Connectors Direct Attach Cable	JW101A
	X		DAC-SFP-10GE-3M 3m 10GbE SFP+ Twinax Connectors Direct Attach Cable	JW102A
	X		DAC-SFP-10GE-5M 5m 10GbE SFP+ Twinax Connectors Direct Attach Cable	JW103A
	X		DAC-SFP-10GE-7M 7m 10GbE SFP+ Twinax Connectors Direct Attach Cable	JW104A
	X		Aruba SFP-10GE-ER 10GBASE-ER SFP+ 1310nm LC Connector Pluggable 10GbE XCVR	JW147A
	X		Aruba SFP-10GE-ZR 10GBASE-ZR SFP+ 1310nm LC Connector Pluggable 10GbE XCVR	JW148A
	X ¹		Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
	X ¹		Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151D
	X ¹		Aruba 10G SFP+ LC LRM 220m OM2 MMF Transceiver	J9152D
	X ¹		Aruba 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	X ¹		Aruba 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D
	X ¹		Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D
	X ¹		Aruba 10G SFP+ to SFP+ 7m Direct Attach Copper Cable	J9285D

Notes:

¹ Default minimum ArubaOS software version is 6.5.3.0 and 8.1.0.0

² Minimum ArubaOS software version is 6.5.4.7 and 8.4.0.0

For additional information on the Aruba 7000 Series Mobility Controllers please refer to:

- ArubaOS Network Operating System Data Sheet (and licenses) - https://www.arubanetworks.com/assets/ds/DS_AOS.pdf
- 7000 Series Mobility Controller – <https://www.arubanetworks.com/products/networking/controllers/7000-series/>
- 7000 Series Ordering Guide - https://www.arubanetworks.com/assets/og/OG_7000Series.pdf

Summary of Changes

Date	Version History	Action	Description of Change
03-Dec-2018	Version 5	Changed	Document name changed to Aruba 7000 Series Mobility Controllers Complete document revised (software feature update)
08-Jan-2018	Version 4	Added	SKUs added: Q9B90AAE, JW538AAE, JW539AAE, JW540AAE, JW541AAE, JW542AAE, JW543AAE, JW544AAE, JY028AAE, JY029AAE, JY030AAE, JY031AAE, JY032AAE
07-Aug-2017	Version 3	Changed	Aruba footer removed. Family series photo updated.
07-Nov-2016	Version 2	Added	Models added: JY849A, JY850A, JY851A
01-Nov-2016	Version 1	Created	Document creation.



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