Overview

Aruba 7000 Series Cloud Services Controllers

Extend the digital workplace to branch offices



Product overview

Aruba 7000 series Cloud Services Controllers optimize cloud services and secure enterprise applications for SD-WAN at branch offices, while reducing the cost and complexity of deploying and managing the network.

The 7005, 7008, 7010, 7024 and 7030 series Cloud Services Controllers combine wireless, wired and hybrid WAN services, support up to 64 APs and 24 Ethernet ports, and feature integrated WAN compression, health checks, zero- touch configuration, and policy-based routing. The 7000 series also unifies policy management with third-party security services, making it simpler and more secure to create an all-wireless workplace.

Supporting over 4,000 users, the 7000 series performs stateful firewall policy enforcement at up to 8 Gbps. Secure IP tunnels protect WAN traffic across the public and private transport network to the cloud and data center. Additional features include integrated firewall, secure VPN, 3G/4G LTE cellular failover, threat management with content filtering, and local bridging, based on end-user application or IT traffic forwarding requirements.

The 7000 series supports Aruba's Next-Generation Mobility Firewall with AppRF technology, which continuously evaluates app usage and performance for over 1,500 apps, including cloud and web-based services like Skype for Business,

SharePoint, Box, Salesforce.com and apps that are hidden as encrypted or web traffic. It then automatically makes configuration changes in real-time to ensure optimal

bandwidth, priority, and network paths in branch and remote offices to safeguard the best possible user experience

A real-time dashboard makes it easy to identify and correct Quality-of-Service tags, load-balance specific applications across APs, adjust RF management and roaming parameters for latency-sensitive apps, and apply bandwidth contracts per app or application type.

Integration with cloud services such as Palo Alto Networks GlobalProtect and Microsoft Skype for Business make extending security and QoS for mobile unified communications easier and more reliable across the distributed enterprise.

The 7000 series handles other enterprise-critical capabilities like authentication, encryption, IPv4 and IPv6 services, Adaptive Radio Management, ClientMatch, and RFProtect spectrum analysis and wireless intrusion protection.

Overview

The 7000 series can be deployed in minutes with zero-touch provisioning via cloud-based Aruba Activate, enabling IT to deploy branch locations simpler and more efficiently.

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.

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

Configuration

Aruba LIC-PEF Controller Policy Enforcement Firewall Per AP License E-LTU	JW473AAE
Aruba LIC-RFP Controller RFProtect Per AP License E-LTU	JW474AAE

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) License 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
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)

Configuration

Description	Part Number
Aruba PSU-150-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

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) License 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.

Configuration

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
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

Configuration

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

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) License 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-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

Configuration

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
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 50cm10GbE 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 SPR-RK3-MNT 7205 / 7024 / S2500-xx / S1500-24P/48P Spare Front Rack Mount	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 RFProtect Per AP License E-LTU	JW474AAE

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) License 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

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

Step 6: Bundled AP license

Configuration

Description	Part Number
Aruba LIC-ENT Enterprise (LIC-AP LIC-PEF LIC-RFP and LIC-AW) License 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 AP licenses	16	16	32	32	64
Maximum 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
Mobility Access Switch tunneled-node ports	512	512	1,024	1,024	2,048
Firewall throughput	2 Gbps	2 Gbps	4 Gbps	4 Gbps	8 Gbps
Encrypted throughput (3DES, AES-CBC)	1.2 Gbps	1.2 Gbps	2.4 Gbps	2.4 Gbps	2.4 Gbps
Encrypted throughput (AES-CCM)	1.6 Gbps	1.6 Gbps	3.4 Gbps	3.4 Gbps	4.0 Gbps

Technical Specifications

Interfaces and Indicators					
Features	**7005**	**7008**	**7010**	**7024**	**7030**
Form factor/footprint	Compact	Compact	1 rack unit	1 rack unit	1 rack unit
Auto-negotiating 10/100/1000BASE-T	4	8	16	24	8 (combo)
Gigabit Ethernet ports (GBIC or SFP)	N/A	N/A	2 SFP	2 SFP+	8 (combo)
USB 2.0	Yes (1)	Yes (2)	Yes (2)	Yes (1)	Yes (1)
Management/status LEDs	Yes	Yes	Yes	Yes	Yes
LINK/ACT and status LEDs	No	No	No	Yes	Yes
LCD panel and navigation buttons	No	No	Yes	Yes	Yes
Console port	Yes (micro USB/RJ-45)	Yes (micro USB/RJ-45)	Yes (micro USB/RJ-45)	Yes (micro USB/RJ-45)	Yes (micro USB/RJ-45)
Out-of-band management port	No	No	Yes	Yes	Yes

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

Technical Specifications

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	10% 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

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
Telco	Common Language Equipment Identifier (CLEI) Code

Technical Specifications

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

Summary of Changes

Date	Version History	Action	Description of Change
07-Nov-2016	From Version 1 to 2	Added	Models added: JY849A, JY850A, JY851A
01-Nov-2016	Version 1	Created	Document creation.

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