

## ORDERING GUIDE

# ARUBA 7000 SERIES MOBILITY CONTROLLERS

## ARUBA 7005 SERIES MOBILITY CONTROLLER

### 1. SELECT THE APPROPRIATE 7005 CHASSIS

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

### 2. SELECT POWER SUPPLY (OPTIONAL)

Part Number	Description
JX989A	AP-AC-12V30A 12V/30W AC/DC Desktop Style 1.7/4.0/9.5mm Circular 90 Deg Plug DoE Level VI Adapter
R3J99A	12V/36W AC/DC power adapter type A

7005 Controller is normally powered by 802.3at compliant PoE

### 3. POWER CORD FOR OPTIONAL SUPPLY (JX989A)

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

### 3. POWER CORD FOR OPTIONAL SUPPLY (JX989A) CONTINUED

Part Number	Description
JW125A	PC-AC-SWI Switzerland 220V AC 10A 2-meter AC Power Cord
JW127A	PC-AC-UK UK AC Power Cord
JW128A	PC-AC-ZA South Africa 250V AC 10A 2-meter AC Power Cord

### 4. SHELF MOUNT KIT (OPTIONAL)

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

## ARUBA 7008 SERIES MOBILITY CONTROLLER

### 1. SELECT THE APPROPRIATE 7008 CHASSIS

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

### 2. SELECT AC POWER CORD FOR MAIN POWER SUPPLY

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

### 3. SPARE POWER SUPPLY (OPTIONAL)

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

### 4. SHELF MOUNT KIT (OPTIONAL)

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

## ARUBA 7010 SERIES MOBILITY CONTROLLER

### 1. SELECT THE APPROPRIATE 7010 CHASSIS

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

### 2. SELECT AC POWER CORD

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

### 3. SPARE MOUNT KIT

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

## ARUBA 7024 SERIES MOBILITY CONTROLLER

### 1. SELECT THE APPROPRIATE 7024 CHASSIS

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

### 2. SELECT AC POWER CORD

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

### 3. MOUNT (OPTIONAL)

Part Number	Description
JW086A	Aruba SPR-RK3-MNT 7205 / 7024 / S2500-xx / S1500-24P/48P Spare Front Rack Mount
JW083A	Aruba SPR-WL2-MNT S1500-24/-48/S2500/S1500-24/-48/S2500 Wall and Rack Mount Kit

## ARUBA 7030 SERIES MOBILITY CONTROLLER

### 1. SELECT THE APPROPRIATE 7030 CHASSIS

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

### 2. SELECT AC POWER CORD FOR MAIN POWER SUPPLY FOR AC POWERED UNITS

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

### 3. MOUNT (OPTIONAL)

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

## MOBILITY CONTROLLER DEPLOYMENT

The Aruba 7000 Series can be deployed using Aruba Mobility Controller software licenses in a campus or branch access layer deployment. In this mode, the controllers cannot be simultaneously used for SD-WAN. In Mobility Controller mode, the 7000 Series can also participate in Aruba's Dynamic Segmentation framework, with, at minimum, an access point (AP) license and a Policy Enforcement Firewall (PEF) license for each Aruba access point and switch in the network.

MOBILITY CONTROLLER LICENSES	
Part Number	Description
JW472AAE	Aruba LIC-AP Controller per AP Capacity License E-LTU
JW473AAE	Aruba LIC-PEF Controller Policy Enforcement Firewall Per AP License E-LTU
JW474AAE	Aruba LIC-RFP Controller RFProtect Per AP License E-LTU
JW471AAE	Aruba LIC-ENT Enterprise (LIC-AP LIC-PEF LIC-RFP and LIC-AW) License Bundle E-LTU
Q9B90AAE	Aruba LIC-ACR Controller Advanced Cryptography 1 Session License E-LTU
JY028AAE	Aruba Controller Web Content Classification 1 Year Subscription E-STU
JY029AAE	Aruba Controller Web Content Classification 3 Year Subscription E-STU
JY030AAE	Aruba Controller Web Content Classification 5 Year Subscription E-STU
JY031AAE	Aruba Controller Web Content Classification 7 Year Subscription E-STU
JY032AAE	Aruba Controller Web Content Classification 10 Year Subscription E-STU
Q9B90AAE	Aruba Adv Crypto 1 Session Lic E-LTU
JW495AAE	Aruba PEF VIA Lic for 7005 Cntrlr E-LTU
JY342AAE	Aruba PEF VIA Lic for 7008 Cntrlr E-LTU
JW496AAE	Aruba PEF VIA Lic for 7010 Cntrlr E-LTU
JW497AAE	Aruba PEF VIA Lic for 7024 Cntrlr E-LTU
JW498AAE	Aruba PEF VIA Lic for 7030 Cntrlr E-LTU
JZ148AAE	Aruba LIC-VIA Per User License E-LTU

For each AP attached to the controller the minimal configuration is 1 x LIC-AP per AP.

- 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
- For Dynamic Segmentation, the per-AP license count must equal the sum of APs and switches that are tunneling traffic. For virtual switch stacks, one AP license will be consumed per stack.
- The PEFV license enables firewall services on a per controller basis for VPN termination such as Aruba VIA, Aruba RAPs and IAP-VPN.

Note: PEFV license can also be used for VIA VPN termination. But PEFV is tied to a particular controller and the license capacity scales to the controller user capacity. On the other hand, LIC-VIA license is per VIA user license and is not tied to any particular controller. It can be transferred from one controller to another. Unlike PEFV, LICVIA supports centralized licensing and can be managed by Mobility Conductor or a Conductor Controller in AOS 8.x deployment.

## SD-WAN DEPLOYMENT

Refer to the SD-WAN use cases guide for more information on how the 7000 Series can be used. Each 7000 Series requires an Aruba Central software subscription license to enable SD-WAN software features and the use of cloud-based management. The SD-WAN license also enables the use of the entire bandwidth capacity stated in the data sheet for each gateway.

- For micro-branch deployments, the 7005, 7008 (and 9004) can be ordered with a base capacity license that supports up to 75 client devices each.
- In high availability deployments, each primary and backup appliances need to have a separate subscription license applied.

Each SD-WAN Base Capacity subscription includes software support and TAC/phone support. For SD-WAN hardware replacement support, order hardware-only support SKUs through your Aruba value-added reseller (VAR).

FOUNDATION	
SD-WAN Gateway Licenses	Features
<b>Foundation</b>	Management for each 7000 Series Policy Enforcement Firewall: User role-based access policies Policy Enforcement Firewall: Layer 7 application DPI Policy Enforcement Firewall: Dynamic Segmentation Web Content Filtering Dynamic Path Steering Policy Based Routing Routing: Static, Dynamic, Load-balancing, BGP WAN Services: NAT, DHCP WAN Visibility VPN Overlay, Hub and Spoke VIA VPN Support High Availability: Active-Standby, Active-Active
Foundation Base	All features above, limited to 75 concurrent endpoints

SD-WAN CLOUD SUBSCRIPTION LICENSES	
Part Number	Description
JZ118AAE	Aruba 70xx Gateway Foundation 1yr Subscription E-STU
JZ119AAE	Aruba 70xx Gateway Foundation 3yr Subscription E-STU
JZ120AAE	Aruba 70xx Gateway Foundation 5yr Subscription E-STU
R0G52AAE	Aruba 70xx Gateway Foundation 7yr Subscription E-STU
R0G53AAE	Aruba 70xx Gateway Foundation 10yr Subscription E-STU
JZ124AAE	Aruba 70xx Gateway Foundation Base 1y Subscription E-STU
JZ125AAE	Aruba 70xx Gateway Foundation Base 3y Subscription E-STU
JZ126AAE	Aruba 70xx Gateway Foundation Base 5y Subscription E-STU
R0G56AAE	Aruba 70xx Gateway Foundation Base 7y Subscription E-STU
R0G57AAE	Aruba 70xx Gateway Foundation Base 10y Subscription E-STU
JZ121AAE	Aruba 70xx and 9004 Gateway Advanced 1yr Subscription E-STU
JZ122AAE	Aruba 70xx and 9004 Gateway Advanced 3yr Subscription E-STU
JZ123AAE	Aruba 70xx and 9004 Gateway Advanced 5yr Subscription E-STU
R0G54AAE	Aruba 70xx and 9004 Gateway Advanced 7yr Subscription E-STU
R0G55AAE	Aruba 70xx and 9004 Gateway Advanced 10yr Subscription E-STU



## ARUBA 7000 SERIES MOBILITY CONTROLLER TRANSCEIVER SUPPORT

Part Number	Description	7010	7024	7030
JW087A	Aruba 1000BASE-LX LC Connector SFP XCVR	X	X	X
JW088A	Aruba 1000BASE-SX LC Connector SFP XCVR	X	X	X
JW089A	Aruba 1000BASE-T RJ45 Connector SFP XCVR	X	X	X
JW149A	SFP-EX 1000BASE-EX LC SFP XCVR	X	X	X
JW150A	SFP-ZX 1000BASE-ZX LC SFP XCVR	X	X	X
J4859D	Aruba 1G SFP LC LX 10km SMF Transceiver	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>
J4858D	Aruba 1G SFP LC SX 500m OM2 MCRF Transceiver	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>
J4860D	Aruba 1G SFP LC LH 70km SMF Transceiver	X <sup>2</sup>	X <sup>2</sup>	X <sup>2</sup>
J8177D	Aruba 1G SFP RJ-45 T 100m Cat5e Transceiver	X <sup>1</sup>	X <sup>1</sup>	X <sup>1</sup>
JW092A	Aruba 10GBASE-LR LC Connector SFP+ XCVR		X	
JW091A	Aruba 10GBASE-SR LC Connector SFP+ XCVR		X	
JW090A	Aruba 10GBASE-LRM LC Connector SFP+ XCVR		X	
JW100A	SFP+ Direct Attach 0.5M Cable		X	
JW101A	SFP+ Direct Attach 1M Cable		X	
JW102A	SFP+ Direct Attach 3M Cable		X	
JW103A	SFP+ Direct Attach 5M Cable		X	
JW104A	SFP+ Direct Attach 7M Cable		X	
JW147A	SFP-10GE-ER 10G LC Cnctr SFP+ XCVR		X	
JW148A	SFP-10GE-ZR 10G LC Cnctr SFP+ XCVR		X	
J9150D	Aruba 10G SFP+ LC SR 300m OM3 MCRF Transceiver		X <sup>1</sup>	
J9151E	Aruba 10G SFP+ LC LR 10km SMF Transceiver		X <sup>1</sup>	
J9152D	Aruba 10G SFP+ LC LRM 220m OM2 MCRF Transceiver		X <sup>1</sup>	
J9153D	Aruba 10G SFP+ LC ER 40km SMF Transceiver		X <sup>1</sup>	
J9281D	Aruba 10G SFP+ to SFP+ 1m DAC Cable		X <sup>1</sup>	
J9283D	Aruba 10G SFP+ to SFP+ 3m DAC Cable		X <sup>1</sup>	
J9285D	Aruba 10G SFP+ to SFP+ 7m DAC Cable		X <sup>1</sup>	

X: Supported transceiver

<sup>1</sup>Default minimum ArubaOS software version is 6.5.3.0 and 8.1.0.0

<sup>2</sup>Minimum ArubaOS software version is 6.5.4.7 and 8.4.0.0