

ORDERING GUIDE

ARUBA 9000 SERIES GATEWAYS

ARUBA 9004 GATEWAY

1. SELECT THE APPROPRIATE 9004 CHASSIS

Part Number	Description
R1B20A	Aruba 9004 (US) 4-Port GbE RJ45 Gateway, 2K Clients – 32 APs
R1B21A	Aruba 9004 (RW) 4-Port GbE RJ45 Gateway, 2K Clients – 32 APs
R1B22A	Aruba 9004 (JP) 4-Port GbE RJ45 Gateway, 2K Clients – 32 APs
R1B23A	Aruba 9004 (IL) 4-Port GbE RJ45 Gateway, 2K Clients – 32 APs
R1B24A	Aruba 9004 (EG) 4-Port GbE RJ45 Gateway, 2K Clients – 32 APs
R1B25A	Aruba 9004 (US) TAA 4-Port GbE RJ45 Gateway, 2K Clients – 32 APs
R1B26A	Aruba 9004 (RW) TAA 4-Port GbE RJ45 Gateway, 2K Clients – 32 APs
R1B27A	Aruba 9004 (JP) TAA 4-Port GbE RJ45 Gateway, 2K Clients – 32 APs
R1B28A	Aruba 9004 (IL) TAA 4-Port GbE RJ45 Gateway, 2K Clients – 32 APs
R1B29A	Aruba 9004 (EG) TAA 4-Port GbE RJ45 Gateway, 2K Clients – 32 APs

Each 9004 includes a JX990A power adapter supply in the box.

2. SELECT POWER CORD FOR POWER SUPPLY (JX990A)

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. ACCESSORIES (OPTIONAL OR SPARES)

Part Number	Description
R1B30A ¹	Aruba 9004-MNT-19 9004 Series 19-inch Rack Mount Kit
R3K00A	12V/36W AC/DC power adapter type B
JX990A	AP-AC-12V30B 12V 30W Power Adapter (spare)

¹ One Rackmount tray can support two 9004 gateways side-by-side using the optional rack mount kit.

ARUBA 9012 GATEWAY

1. SELECT THE APPROPRIATE 9012 CHASSIS

Part Number	Description
R1B35A	Aruba 9012 (EG) Gateway
R1B34A	Aruba 9012 (IL) Gateway
R1B33A	Aruba 9012 (JP) Gateway
R1B32A	Aruba 9012 (RW) Gateway
R1B31A	Aruba 9012 (US) Gateway

Rack mount ears shipped with the 9012 unit

2. SELECT POWER CORD FOR POWER SUPPLY (JX990A)

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. ACCESSORIES (OPTIONAL OR SPARES)

Part Number	Description
R4X13A	Aruba 9012-MNT-19 Spare Rack Mount Kit

ARUBA 9004-LTE GATEWAY

1. SELECT THE APPROPRIATE 9004 CHASSIS

Part Number	Description
R3V87A	Aruba 9004 (EG) LTE Branch Gateway
R3V88A	Aruba 9004 (IL) LTE Branch Gateway
R3V89A	Aruba 9004 (JP) LTE Gateway
R3V90A	Aruba 9004 (RW) LTE Branch Gateway
R3V91A	Aruba 9004 (US) LTE Branch Gateway

Each 9004-LTE includes a JX990A power adapter supply in the box

Each 9004-LTE includes two (2) dipole antennas for use as Main and Diversity antennas connecting to the antenna connectors

2. SELECT POWER CORD FOR POWER SUPPLY (JX990A)

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. ACCESSORIES (OPTIONAL OR SPARES)

Part Number	Description
R3W17A	Aruba 9004-LTE-MNT-19 Rack Mount Kit (One Rackmount tray can support one 9004-LTE gateway)
R3K00A	12V/36W AC/DC power adapter type B
JX990A	AP-AC-12V30B 12V 30W Power Adapter (spare)
R4Y94A	Aruba 90xx-LTE Spare Indoor Antenna ¹
R4Y91A	Aruba 90xx-LTE Indoor Ant Ext Kit-20ft ²
R4Y92A	Aruba 90xx-LTE Indoor Ant Ext Kit-40ft ²
R4Y93A	Aruba 90xx-LTE Outdoor Ant Ext Kit-35ft ³
R6M37A	Aruba 90xx-LTE spare outdoor antenna
R4Y95A	Aruba 90xx-LTE Spare SIM Tray Kit

¹ For the LTE antenna replacement or for GPS antenna

² Accessory kit to extend the antenna placement to an area for better coverage. Order either 20ft or 40ft extender kit. Each kit extends one antenna. Order 2 kits to extend both Main and Diversity antennas. If GPS antenna also needs to be extended order an additional kit. The LTE antennas connected to the 9004-LTE would be unplugged and attached to the other end of the extended cable. Refer to 9004-LTE Installation Guide on installation details.

³ Accessory kit to extend the antenna placement outdoors for better coverage. Each kit comes with an outdoor antenna, surge arrestor and wall/pole mount kit. Each kit extends one antenna. Order 2 kits to extend both Main and Diversity antennas. If GPS antenna also needs to be extended order an additional kit. Refer to 9004-LTE Installation Guide on installation details.

SD-WAN DEPLOYMENT

Refer to the [SD-WAN use cases guide](#) for more information on how the gateway can be used. Each gateway 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 9004 (and 7005 or 7008) gateway can be ordered with a base capacity license that supports up to 75 client devices each.
- In high availability deployments, each primary and backup gateway needs 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).

SD-WAN LICENSES	
SD-WAN License	Features
Foundation	Management for each 9000 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

OPTION 1. CHOOSE SD-WAN LICENSES

Part Number	Description
JZ118AAE	Aruba 700x and 90xx Foundation 1yr Sub E-STU
JZ119AAE	Aruba 700x and 90xx Foundation 3yr Sub E-STU
JZ120AAE	Aruba 700x and 90xx Foundation 5yr Sub E-STU
R0G52AAE	Aruba 700x and 90xx Foundation 7yr Sub E-STU
R0G53AAE	Aruba 700x and 90xx Foundation 10yr Sub E-STU
JZ124AAE	Aruba 700x and 90xx Foundation Base Capacity 1y Sub E-STU
JZ125AAE	Aruba 700x and 90xx Foundation Base Capacity 3y Sub E-STU
JZ126AAE	Aruba 700x and 90xx Foundation Base Capacity 5y Sub E-STU
JZ121AAE	Aruba 70xx and 90xx Gateway Advanced 1yr Subscription E-STU
JZ122AAE	Aruba 70xx and 90xx Gateway Advanced 3yr Subscription E-STU
JZ123AAE	Aruba 70xx and 90xx Gateway Advanced 5yr Subscription E-STU
R0G54AAE	Aruba 70xx and 90xx Gateway Advanced 7yr Subscription E-STU
R0G55AAE	Aruba 70xx and 90xx Gateway Advanced 10yr Subscription E-STU
R0G56AAE	Aruba 700x and 90xx Foundation Base Capacity 7y Sub E-STU
R0G57AAE	Aruba 700x and 90xx Foundation Base Capacity 10y Sub E-STU

- A single 9000 Series Gateway cannot be simultaneously used for SD-WAN and Mobility Controller functionality.
- Foundation Base Capacity licenses are limited to 75 clients and the 9004 Gateway.

OPTION 2. CHOOSE SD-WAN AND THREAT DEFENSE LICENSES

Part Number	Description
R4D93AAE	Aruba 90xx GW Foundation Base Capacity Security 1yr Sub E-STU
R4D94AAE	Aruba 90xx GW Foundation Base Capacity Security 3yr Sub E-STU
R4D95AAE	Aruba 90xx GW Foundation Base Capacity Security 5yr Sub E-STU
R4D96AAE	Aruba 90xx GW Foundation Base Capacity Security 7yr Sub E-STU
R4D97AAE	Aruba 90xx GW Foundation Base Capacity Security 10y Sub E-STU
R4D98AAE	Aruba 90xx GW Foundation Security 1yr Sub E-STU
R4D99AAE	Aruba 90xx GW Foundation Security 3yr Sub E-STU
R4E00AAE	Aruba 90xx GW Foundation Security 5yr Sub E-STU
R4E01AAE	Aruba 90xx GW Foundation Security 7yr Sub E-STU
R4E02AAE	Aruba 90xx GW Foundation Security 10yr Sub E-STU
R4E03AAE	Aruba 90xx GW Advanced Security 1yr Sub E-STU
R4E04AAE	Aruba 90xx GW Advanced Security 3yr Sub E-STU
R4E05AAE	Aruba 90xx GW Advanced Security 5yr Sub E-STU
R4E06AAE	Aruba 90xx GW Advanced Security 7yr Sub E-STU
R4E07AAE	Aruba 90xx GW Advanced Security 10yr Sub E-ST

MOBILITY CONTROLLER DEPLOYMENT

The Aruba 9000 Series can alternatively be deployed using Aruba Mobility Controller software licenses, where the 9000 Series will perform just like a 7000 Series or 7200 Series Mobility Controller in a campus or branch access layer deployment. In this mode, the gateway cannot be simultaneously used for SD-WAN. In Mobility Controller mode, the 9000 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
JZ148AAE	Aruba LIC-VIA per VIA Client License E-LTU

- A single 9000 Series Gateway cannot be simultaneously used for SD-WAN and Mobility Controller functionality.
- For each AP attached to the gateway, the minimal configuration is 1 x LIC-AP per AP.
- LIC-AW is a device license for the AirWave network 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.
- LIC-VIA license is a per-user session license that can be transferred from one gateway/controller to another.
- LIC-VIA supports centralized licensing and can be managed by Mobility Master or a master controller in an ArubaOS 8 deployment.