

Overview

Aruba SD-WAN Software and Gateways for the Aruba 7000 and 7200 Series Controllers

Simplify branch networks at the edge

Aruba Software-defined Wide Area Network (SD-WAN) technology simplifies branch operations and optimizes WAN management.



Ideally suited for distributed enterprises undergoing digital transformations, Aruba Central-managed SD-WAN provides simplified operations and increased visibility and control for the branch. Mid-size offices, retail stores and medical clinics can benefit from the transition to more agile, open and cloud-hosted environments.

Aruba Central

With flexible policy, configuration and monitoring capabilities, organizations can simplify network operations by providing zero-touch provisioning and customizable templates to quickly deploy branch networks, centralize management for Aruba SD-WAN Gateways, provide historical data reports, monitor for PCI compliance, and troubleshoot regional and global locations. Key insight into WAN health and optimization help IT determine the best link and routes to send traffic to corporate data centers or to the Internet. Path selection can be based on per-user, per-device, or per-application policies.

Product summary

Aruba Central offers a flexible subscription option that ranges from 1, 3, 5, 7, and 10 year offers. A base capacity license which limits total clients to 75 is also available for the Aruba 7005 Branch Gateway only. Features will continue to grow with successive cloud updates.

Overview

Branch Gateway

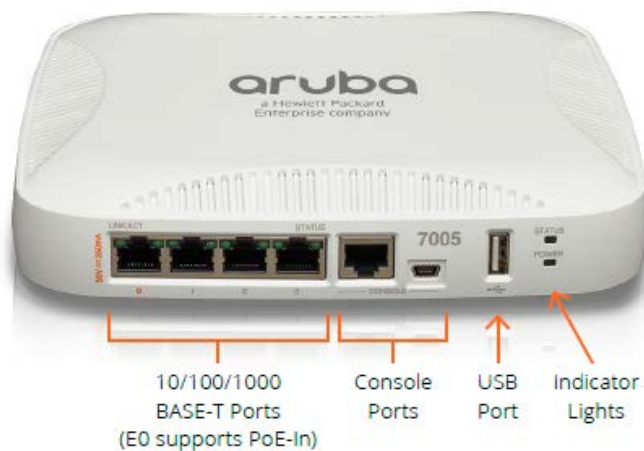
The Aruba 7000 Series is a versatile family of hardware that can operate as an SD-WAN gateway at the branch to optimize and control WAN, LAN, and cloud security services. The branch gateway provides features such as routing, firewall, security, URL filtering, and compression.

With support for multiple WAN connection types, the branch gateway routes traffic over the most efficient link based on availability, application, user-role, and link health. This allows organizations to take advantage of high-speed, lower-cost broadband links to supplement or replace traditional WAN links such as MPLS.

Product summary

Aruba offers a wide portfolio of branch gateway to meet the WAN and security requirements for small and large branches:

- 7005 is a compact, fanless entry-level platform for small branch or headend locations. Provides up to 2 Gbps of throughput, 4 gigabit switch ports, dual uplink capabilities, and can be powered by a Power over Ethernet (PoE) switch.
- 7008 is a compact, fanless entry-level platform for small branch or headend locations with additional switch requirements. Includes all of the features of the 7005 plus up to 8 PoE/PoE+ gigabit switch ports.
- 7010 is designed for mid-sized branch and headend deployments with up to 4 Gbps of throughput, 12 PoE/PoE+ gigabit switch ports and 2 SFP ports.
- 7024 is designed for mid-sized branch and headend deployments and includes all of the features of the 7010 plus up to 24 PoE/PoE+ gigabit switch ports and 2 SFP/SFP+ ports.
- 7030 is ideal for large branch or mid-size headend deployments with up to 8 Gbps of throughput and 8 dual-personality ports.



Front of a 7005



Back of a 7005

Headend Gateway

The Aruba 7200 Series acts as a headend gateway, or VPN concentrator (VPNC) for all branch offices. Branch gateways establish IPsec tunnels to one or more headend gateways over the Internet or other untrusted networks. High availability options support either multiple headend gateways deployed at a single site or headend gateways deployed in pairs at multiple sites for the highest availability.

The headend gateways support active/standby or active/active uplinks out of the branch. The most widely deployed topology is the dual hub-and-spoke where branches are multi-homed to a primary and backup data center. The headend gateway would sit at the hub site data center, and can be deployed in active/standby or active/active configurations. Any of the headend gateways can perform the function of VPNC at the hub site. These devices offer high-performance and high tunnel scale to aggregate data traffic from hundreds to thousands of branches.

Overview

Product summary

Aruba offers a family of headend gateways for VPN concentration and routing functions for corporate data center locations:

- 7210 provides higher performance and availability with up to 20 Gbps of throughput, 2 dual-personality ports, 4 10G SFP+ ports, hot-swappable redundant power supplies and field-replaceable fan trays.
- 7220/7240/7240XM provides scale, performance, and availability with up to 40 Gbps of throughput, 2 dualpersonality ports, 4 10G SFP+ ports, hot-swappable redundant power supplies and field-replaceable fan trays.
- 7280 provides unprecedented scale, performance, and maximum availability with up to 80 Gbps of throughput, 8 10G SFP+ ports, 2 40G QSFP+ ports, hot-swappable redundant power supplies and field-replaceable fan trays.

Key Capabilities

Stateful firewall

Introduces contextual, role-based awareness across WLAN, LAN, and WAN. Information on branch-wide users, devices, applications and WAN state enhances visibility and security end-to-end.

Dynamic segmentation

With centralized policy for WAN, WLAN, and LAN, IT can extend consistent policies across the entire distributed branch footprint. This provides a simple and secure way to configure network devices and onboard IoT endpoints without additional overhead.

Traffic analysis

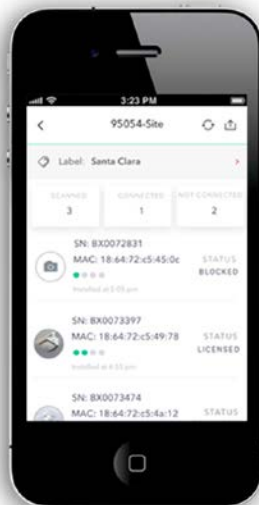
Gain rich application awareness into over 2,600 applications across 21 categories. WebCC provides protection from malicious or unauthorized web URLs.

Deep packet inspection (DPI)

Monitors application usage and performance while optimizing bandwidth, priority and network paths in real time, including apps that are encrypted or appear as web traffic. DPI is vital to understanding usage patterns that may require changes to network design and capacity.

Zero-touch provisioning (ZTP) and Install Manager with Installer App

Simplify on-site deployment with ZTP through cloud-based Aruba Central, and deploy new branches more efficiently with a customizable mobile app.



Overview

Adaptive Quality of Service (QoS)

Broadband may not provide consistent bandwidth, so adaptive QoS monitors the uplink throughput and adjusts QoS policy based on measured throughput.

Path quality monitoring

The branch gateway can actively and passively monitor established TCP connections for latency, jitter, packet loss, and throughput.

Policy-based routing

Traffic can be routed across private or public WAN uplinks based on application or user role (e.g. guest or employee), in addition to traditional destination-based routing.

Dynamic path selection

When multiple WAN links exist, dynamic path selection (DPS) will help choose the best available path for an application based on characteristics like throughput, latency, jitter, and packet loss.

Wan compression

To improve overall bandwidth efficiency, the branch gateway can enable data compression on the IPsec sessions between the branch and headend gateways. Compression efficiency varies depending on the traffic type, but real-world scenarios typically show 40-60% bandwidth savings.

Hybrid WAN

The branch gateway can support multiple uplinks, such as Internet broadband, existing MPLS, and cellular connectivity, with multiple transport overlays across uplinks. Traffic destined for the Internet can be routed locally, while traffic destined for the data center can be routed either over MPLS or any available Internet path.

Third-party integration

To reduce local branch complexity, integration with cloud services provided by firewall vendors such as ZScaler, Palo Alto Networks, CheckPoint and UCC applications such as Microsoft Skype for Business make extending security and quality of service easier and more reliable across the distributed enterprise.

Configuration

Software-Defined WAN Gateway Ordering Guide

The SD-WAN Gateway utilizes the 70xx and 72xx Mobility Controller platforms. For a SD-WAN Gateway, you should use existing Mobility Controller SKU's and GPL pricing for the 70xx Branch Gateway and 72xx Headend Gateway/Concentrator. The 7205 is not currently supported as a headend gateway.

SD-WAN Subscription Pricing

The SD-WAN solution is comprised of a SD-WAN software subscription license per 70xx Branch Gateway and 72xx Headend Gateway/Concentrator. The SD-WAN subscription is managed in Aruba Central.

For all 70xx and 72xx Gateways, the licenses do not have a capacity limit (e.g. client device limit); however, the 7005 Branch Gateway does include a Base Capacity license option that limits a 7005 Branch Gateway to 75 client devices.

Tier	70xx Branch GW Gateway, 72xx Headend Gateway
Foundation	<ul style="list-style-type: none"> • Gateway and VPNC management • Role and application based policies • LAN segmentation (tunneled node) • Routing: static and dynamic, load balancing • WAN Services: NAT, DHCP • L7 DPI • Stateful firewall • Content filtering • Extensive WAN visibility • VPN overlay, hub spoke • Dynamic path selection • High-availability (HA): active-standby, active-active • Gateway and VPNC ViA support

Configuration

Aruba Branch Gateway (7005)

1. Select the appropriate 7005 branch gateway	
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

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 is normally powered by 802.3at complaint PoE+

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

4. Shelf mount kit (optional)	
Description	Part Number
Aruba 7005-MNT-19 7005 Series 19-inch Rack Mount Kit	JW084A

5. Available Aruba Central SD-WAN licenses	
Description	Part Number
Aruba 70xx Gateway Foundation 1yr Subscription E-STU	JZ118AAE
Aruba 70xx Gateway Foundation 3yr Subscription E-STU	JZ119AAE
Aruba 70xx Gateway Foundation 5yr Subscription E-STU	JZ120AAE

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Aruba 70xx Gateway Foundation 7yr Subscription E-STU	ROG52AAE
Aruba 70xx Gateway Foundation 10yr Subscription E-STU	ROG53AAE
Aruba 70xx Gateway Foundation Base Capacity 1yr Subscription E-STU	JZ124AAE
Aruba 70xx Gateway Foundation Base Capacity 3yr Subscription E-STU	JZ125AAE
Aruba 70xx Gateway Foundation Base Capacity 5yr Subscription E-STU	JZ126AAE
Aruba 70xx Gateway Foundation Base Capacity 7yr Subscription E-STU	ROG56AAE
Aruba 70xx Gateway Foundation Base Capacity 10yr Subscription E-STU	ROG57AAE

NOTE: Foundation Base Capacity license is limited to 75 clients.

Configuration

Aruba Branch Gateway (7008)

1. Select the appropriate 7008 branch gateway	
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

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

3. Spare power supply (optional)	
Description	Part Number
Aruba PSU-150-AC 7008 Series 150W AC Spare Power Supply	JX933A

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

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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

5. Shelf mount kit (optional)

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

6. Available Aruba Central SD-WAN licenses

Description	Part Number
Aruba 70xx Gateway Foundation 1yr Subscription E-STU	JZ118AAE
Aruba 70xx Gateway Foundation 3yr Subscription E-STU	JZ119AAE
Aruba 70xx Gateway Foundation 5yr Subscription E-STU	JZ120AAE
Aruba 70xx Gateway Foundation 7yr Subscription E-STU	ROG52AAE
Aruba 70xx Gateway Foundation 10yr Subscription E-STU	ROG53AAE

Configuration

Aruba Branch Gateway (7010)

1. Select the appropriate 7010 branch gateway	
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 Controller	JW680A
Aruba 7010 (JP) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP for 32 AP and 2K Clients Controller	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 Clients Controller	JW702A
Aruba 7010 (US) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1GBASE-X SFP 32 AP and 2K Clients Controller	JW703A
Aruba 7010 (IL) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clients Controller	JW704A
Aruba 7010 (JP) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1GBASE-X SFP 32 AP and 2K Clients Controller	JW705A
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
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
4. Spare mount kit	
Description	Part Number
Aruba 7010-MNT-19 7010 Series Replacement 19-inch Rack Mounting Kit	JW085A

Configuration

5. Available Aruba Central SD-WAN licenses	
Description	Part Number
Aruba 70xx Gateway Foundation 1yr Subscription E-STU	JZ118AAE
Aruba 70xx Gateway Foundation 3yr Subscription E-STU	JZ119AAE
Aruba 70xx Gateway Foundation 5yr Subscription E-STU	JZ120AAE
Aruba 70xx Gateway Foundation 7yr Subscription E-STU	ROG52AAE
Aruba 70xx Gateway Foundation 10yr Subscription E-STU	ROG53AAE

Configuration

Aruba Branch Gateway (7024)

1. Select the appropriate 7024 branch gateway	
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

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

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 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

Configuration

NOTE: There are 2 SFP/SFP+ ports on the 7024.

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

5. Available Aruba Central SD-WAN licenses	
Description	Part Number
Aruba 70xx Gateway Foundation 1yr Subscription E-STU	JZ118AAE
Aruba 70xx Gateway Foundation 3yr Subscription E-STU	JZ119AAE
Aruba 70xx Gateway Foundation 5yr Subscription E-STU	JZ120AAE
Aruba 70xx Gateway Foundation 7yr Subscription E-STU	ROG52AAE
Aruba 70xx Gateway Foundation 10yr Subscription E-STU	ROG53AAE

Configuration

Aruba Branch Gateway (7030)

1. Select the appropriate 7030 branch gateway	
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 Clients Controller	JW710A
Aruba 7030 (US) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	JW711A
Aruba 7030 (IL) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T 1GBASE-X SFP 64 AP and 4K Clients Controller	JW712A
Aruba 7030 (JP) FIPS/TAA 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	JW713A

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

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

4. Mount (optional)	
Description	Part Number
Aruba 7030-MNT-19 7030 Series Replacement 19-inch Rack Mounting Kit	JW086A

5. Available Aruba Central SD-WAN licenses

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Description	Part Number
Aruba 70xx Gateway Foundation 1yr Subscription E-STU	JZ118AAE
Aruba 70xx Gateway Foundation 3yr Subscription E-STU	JZ119AAE
Aruba 70xx Gateway Foundation 5yr Subscription E-STU	JZ120AAE

Configuration

Aruba Headend Gateway (7210)

1. Select the appropriate 7210 headend gateway	
Description	Part Number
Aruba 7210 (RW) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW743A
Aruba 7210 (US) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW744A
Aruba 7210 (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW747A
Aruba 7210 (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW749A
Aruba 7210 (EG) 4x 10GBase-x SFP/SFP+ Controller	JY853A
Aruba 7210 (RW) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW745A
Aruba 7210 (US) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW746A
Aruba 7210 (IL) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW748A
Aruba 7210 (JP) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW750A
Aruba 7210DC (RW) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Power Controller	JW645A
Aruba 7210DC (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Power Controller	JW647A
Aruba 7210DC (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Power Controller	JW648A
Aruba 7210DC (US) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Power Controller	JW646A

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

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

Configuration

NOTE: There are 2 combo ports on 7210 10/100/1000 or SFP

4. Select transceivers for SFP/SPF+ (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 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

NOTE: There are 4 GbE/10GbE SFP/SFP+ ports on the 7210

5. Add redundant power supply unit (optional)	
Description	Part Number
Aruba PSU-350-AC 7200 Series S3500-24T S3500-48T and S3500-24F 350W AC Power Supply	JW657A
Aruba PSU-350-DC 7200 Series Mobility Controllers 350W DC (-48V DC) Power Supply	JW658A

NOTE: Must match chassis type (AC or DC power)

6. Select AC power cord for redundant 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

7. Spares (optional)	
Description	Part Number
Aruba SPR-RK-MNT 7200 / S3500 / S1500-24/48 / S2500 Spare Front or Mid Mount	JW107A
Aruba SPR-4RK-MNT 7200 Series / S3500 Spare Four-Post 19" Rack-Mount Kit	JW108A
Aruba SPR-WL-MNT 7200 Series or S3500 Wall Mount Kit	JW109A
Aruba PSU-PWBLNK 7200 Series and S3500 Power Supply Spare Faceplate Blank	JW110A

Configuration

Aruba HW-7200-FT 7200 Series Fan Tray	JW111A
Aruba SPR-ESBLNK 7200 Series Expansion Slot Blank Panel	JW112A

8. Available Aruba Central SD-WAN licenses

Description	Part Number
Aruba 72xx Gateway Foundation 1yr Subscription E-STU	JZ195AAE
Aruba 72xx Gateway Foundation 3yr Subscription E-STU	JZ196AAE
Aruba 72xx Gateway Foundation 5yr Subscription E-STU	JZ197AAE
Aruba 72xx Gateway Foundation 7yr Subscription E-STU	ROG60AAE
Aruba 72xx Gateway Foundation 10yr Subscription E-STU	ROG61AAE

Configuration

Aruba Headend Gateway (7220)

1. Select the appropriate 7220 headend gateway	
Description	Part Number
Aruba 7220 (RW) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW751A
Aruba 7220 (US) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW752A
Aruba 7220 (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW755A
Aruba 7220 (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW757A
Aruba 7220 (RW) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW753A
Aruba 7220 (US) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW754A
Aruba 7220 (IL) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW756A
Aruba 7220 (JP) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW758A
Aruba 7220DC (RW) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Power Controller	JW649A
Aruba 7220DC (US) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Power Controller	JW650A
Aruba 7220DC (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Power Controller	JW651A
Aruba 7220DC (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Power Controller	JW652A

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

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 2 combo ports on 7220 10/100/1000 or SFP

Configuration

4. Select transceivers for SFP/SPF+ (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 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

NOTE: There are 4 GbE/10GbE SFP/SFP+ ports on the 7220

5. Add redundant power supply unit (optional)	
Description	Part Number
Aruba PSU-350-AC 7200 Series S3500-24T S3500-48T and S3500-24F 350W AC Power Supply	JW657A
Aruba PSU-350-DC 7200 Series Mobility Controllers 350W DC (-48V DC) Power Supply	JW658A

NOTE: Must match chassis type (AC or DC power)

6. Select AC power cord for redundant 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

7. Spares (optional)	
Description	Part Number
Aruba SPR-RK-MNT 7200 / S3500 / S1500-24/48 / S2500 Spare Front or Mid Mount	JW107A
Aruba SPR-4RK-MNT 7200 Series / S3500 Spare Four-Post 19" Rack-Mount Kit	JW108A
Aruba SPR-WL-MNT 7200 Series or S3500 Wall Mount Kit	JW109A
Aruba PSU-PWBLNK 7200 Series and S3500 Power Supply Spare Faceplate Blank	JW110A
Aruba HW-7200-FT 7200 Series Fan Tray	JW111A

Configuration

Aruba SPR-ESBLNK 7200 Series Expansion Slot Blank Panel	JW112A
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8. Available Aruba Central SD-WAN licenses

Description	Part Number
Aruba 72xx Gateway Foundation 1yr Subscription E-STU	JZ195AAE
Aruba 72xx Gateway Foundation 3yr Subscription E-STU	JZ196AAE
Aruba 72xx Gateway Foundation 5yr Subscription E-STU	JZ197AAE
Aruba 72xx Gateway Foundation 7yr Subscription E-STU	ROG60AAE
Aruba 72xx Gateway Foundation 10yr Subscription E-STU	ROG61AAE

Configuration

Aruba Headend Gateway (7240/7240XM)

1. Select the appropriate 7240 headend gateway	
Description	Part Number
Aruba 7240XM (RW) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW783A
Aruba 7240XM (US) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW784A
Aruba 7240XM (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW786A
Aruba 7240XM (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW785A
Aruba 7240XM (EG) 4x 10GBase-x SFP/SFP+ Controller	JY854A
Aruba 7240XM (RW) FIPS/TAA 16GB DRAM 4p 10GBase-X (SFP+) 2p Dual (10/100/1000BASE-T or SFP) Controller	JW829A
Aruba 7240XM (US) FIPS/TAA 16GB DRAM 4p 10GBase-X (SFP+) 2p Dual (10/100/1000BASE-T or SFP) Controller	JW830A
Aruba 7240XM (JP) FIPS/TAA 16GB DRAM 4p 10GBase-X (SFP+) 2p Dual (10/100/1000BASE-T or SFP) Controller	JW831A
Aruba 7240XM (IL) FIPS/TAA 16GB DRAM 4p 10GBase-X (SFP+) 2p Dual (10/100/1000BASE-T or SFP) Controller	JW832A
Aruba 7240XMDC (RW) 16GB DRAM 4p 10GBase-X /SFP+ 2p Dual Pers (10/100/1000 or SFP) DC Power Controller	JW674A
Aruba 7240XMDC (US) 16GB DRAM 4p 10GBase-X /SFP+ 2p Dual Pers (10/100/1000 or SFP) DC Power Controller	JW675A
Aruba 7240XMDC (IL) 16GB DRAM 4p 10GBase-X /SFP+ 2p Dual Pers (10/100/1000 or SFP) DC Power Controller	JW677A
Aruba 7240XMDC (JP) 16GB DRAM 4p 10GBase-X /SFP+ 2p Dual Pers (10/100/1000 or SFP) DC Power Controller	JW676A
Aruba 7240 (RW) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW759A
Aruba 7240 (US) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW760A
Aruba 7240 (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW763A
Aruba 7240 (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW765A
Aruba 7240 (RW) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW761A
Aruba 7240 (US) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW762A
Aruba 7240 (IL) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW764A
Aruba 7240 (JP) FIPS/TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW766A
Aruba 7240DC (RW) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Power Controller	JW653A
Aruba 7240DC (US) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Power Controller	JW654A
Aruba 7240DC (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Power Controller	JW655A
Aruba 7240DC (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Power Controller	JW656A

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

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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

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 2 combo ports on 7210 10/100/1000 or SFP

4. Select transceivers for SFP/SPF+ (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 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

NOTE: There are 4 GbE/10GbE SFP/SFP+ ports on the 7210

5. Add redundant power supply unit (optional)

Description	Part Number
Aruba PSU-350-AC 7200 Series S3500-24T S3500-48T and S3500-24F 350W AC Power Supply	JW657A
Aruba PSU-350-DC 7200 Series Mobility Controllers 350W DC (-48V DC) Power Supply	JW658A

NOTE: Must match chassis type (AC or DC power)

6. Select AC power cord for redundant 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

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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

7. Spares (optional)

Description	Part Number
Aruba SPR-RK-MNT 7200 / S3500 / S1500-24/48 / S2500 Spare Front or Mid Mount	JW107A
Aruba SPR-4RK-MNT 7200 Series / S3500 Spare Four-Post 19" Rack-Mount Kit	JW108A
Aruba SPR-WL-MNT 7200 Series or S3500 Wall Mount Kit	JW109A
Aruba PSU-PWBLNK 7200 Series and S3500 Power Supply Spare Faceplate Blank	JW110A
Aruba HW-7200-FT 7200 Series Fan Tray	JW111A
Aruba SPR-ESBLNK 7200 Series Expansion Slot Blank Panel	JW112A

8. Available Aruba Central SD-WAN licenses

Description	Part Number
Aruba 72xx Gateway Foundation 1yr Subscription E-STU	JZ195AAE
Aruba 72xx Gateway Foundation 3yr Subscription E-STU	JZ196AAE
Aruba 72xx Gateway Foundation 5yr Subscription E-STU	JZ197AAE
Aruba 72xx Gateway Foundation 7yr Subscription E-STU	ROG60AAE
Aruba 72xx Gateway Foundation 10yr Subscription E-STU	ROG61AAE

Configuration

Aruba Headend Gateway (7280)

1. Select the appropriate 7280 headend gateway	
Description	Part Number
Aruba 7280 (US) 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX910A
Aruba 7280 (RW) 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX911A
Aruba 7280 (JP) 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX912A
Aruba 7280 (IL) 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX913A
Aruba 7280 (EG) 2x40GbE and 8x10GBASE-X (SFP+) Controller	JZ077A
Aruba 7280 (US) FIPS/TAA-compliant 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX914A
Aruba 7280 (RW) FIPS/TAA-compliant 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX915A
Aruba 7280 (JP) FIPS/TAA-compliant 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX916A
Aruba 7280 (IL) FIPS/TAA-compliant 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX917A
Aruba 7280 (EG) FIPS/TAA-compliant 2x40GbE and 8x10GBASE-X (SFP+) Controller	JZ078A

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

3. Select transceivers for SFP/SPF+ (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 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

NOTE: There are 8 GbE/10GbE SFP/SFP+ ports on the 7280

Configuration

4. Select 40 GBE transceivers and DAC cables (optional)

Description	Part Number
HPE X142 40G QSFP+ MPO SR4 Transceiver	JH231A
HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
HPE X142 40G QSFP+ MPO eSR4 300M XCVR	JH233A
HPE X242 40G QSFP+ to QSFP+ 1m DAC Cable	JH234A
HPE X242 40G QSFP+ to QSFP+ 3m DAC Cable	JH235A
HPE X242 40G QSFP+ to QSFP+ 5m DAC Cable	JH236A
HPE X140 40G QSFP+ LC BiDi 100m MM C-TRX	JH678A
HPE X240 QSFP+ 4x10G SFP+ 1m DAC Cable	JG329A
HPE X240 QSFP+ 4x10G SFP+ 3m DAC C-Cable	JH700A
HPE X240 QSFP+ 4x10G SFP+ 5m DAC Cable	JG331A

NOTE: There are 2 40GbE QSFP+ ports on the 7280

5. Add redundant power supply unit (optional)

Description	Part Number
PSU-550-AC Series 550W AC Power Supply	JZ012A

6. Select AC power cord for redundant 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

7. Spares (optional)

Description	Part Number
Aruba SPR-WL2-MNT S2500/S1500/7024 Wall Mount Kit	JW083A
Aruba SPR-RK-MNT 7200/S3500/S1500-24/48/S2500 Spare Front or Mid Mount	JW107A
Aruba HW-7280-FT 7280 Series Fan Tray	JZ013A

8. Available Aruba Central SD-WAN licenses

Description	Part Number
Aruba 72xx Gateway Foundation 1yr Subscription E-STU	JZ195AAE
Aruba 72xx Gateway Foundation 3yr Subscription E-STU	JZ196AAE
Aruba 72xx Gateway Foundation 5yr Subscription E-STU	JZ197AAE

Configuration

Aruba 72xx Gateway Foundation 7yr Subscription E-STU	ROG60AAE
Aruba 72xx Gateway Foundation 10yr Subscription E-STU	ROG61AAE

Technical Specifications

Aruba Central

A selection of features enabled by license are included below. New capabilities will be added successive cloud-based updates. 7005 Base Capacity Licenses support client counts up to 75 users.

Foundation License (1, 3, 5, 7, 10 year subscriptions available)			
Cloud management	Gateway management	Zero-touch provisioning	Mobile installer app
Role and application policies	LAN segmentation	Static/dynamic routing	Load balancing
NAT and DHCP services	Layer 7 DPI	Web content classification	Stateful firewall
VIA support for Branch and Headend Gateway	Dynamic Path Selection	VPN overlay, hub/spoke	HA: A-S and A-A

Branch Gateways at a Glance					
Features	7005	7008	7010	7024	7030
Deployment mode	Micro/Small	Small site	Medium	Medium	Large
Maximum clients	Up to 1,024*	1,024	2,048	2,048	4,096
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
Maximum VLANs	4,094	4,094	4,094	4,094	4,094
WAN/LAN Interfaces	4	8	16	24	8 (combo)
PoE in/out	In; E0	Out; 100W	Out; 150W	Out; 400W	-
USB 2.0 (WAN)	Yes (1)	Yes (2)	Yes (2)	Yes (1)	Yes (1)
Form factor/footprint	Desktop/1RU	Desktop/1RU	1RU	1RU	1RU

Headend Gateways at a Glance				
Features	7210	7220	7240/XM	7280
Deployment mode	VPNC	VPNC	VPNC	VPNC
Firewall throughput	20 Gbps	40 Gbps	40 Gbps	100 Gbps
Encrypted throughput (3DES, AES-CBC)	8 Gbps	21 Gbps	28 Gbps	56 Gbps
Encrypted throughput (AES-CCM)	5.6 Gbps	17 Gbps	24 Gbps	45 Gbps
Maximum VLANs	4,094	4,094	4,094	4,094
WAN/LAN Interfaces	6	6	6	10
Form factor/footprint	1RU	1RU	1RU	1RU

Technical Specifications

Hardware Specifications (Branch Gateways) Performance and Capacity					
Features	7005	7008	7010	7024	7030
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
Maximum concurrent endpoints	Up to 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
Tunneled Node ports	512	512	1,024	1,024	2,048

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)
GE 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/navigation	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

Power Over Ethernet Support (POE)					
Features	7005	7008	7010	7024	7030
PoE Role ¹ /Mode	Powered Device (PD)	Power Source Equipment (PSE)	PSE	PSE	-
PoE In or Out	4	Out	Out	Out	-
Number of PoE+ ² Ports	N/A	8	12	24	-
Max concurrent PoE Ports	Yes (1)	8	12	24	-
Max concurrent PoE+ Ports	Yes	3	5	13	-
PoE Power Budget	No	100W	150W	400W	-

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

Technical Specifications

Physical Dimensions

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 20.32 cm (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 (1.7" 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

Features	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 noise ¹	0 dBA (fanless)	0 dBA (fanless)	39.8 - 58.6 dBA	34.3 - 71.2 dBA	29.1 - 57.4 dBA
Maximum power consumption	16.6W with USB	126W with PoE (26W without PoE)	190W with PoE	450W with PoE	55 watts

¹Sound power per ETSI 300 753 in accordance w/ISO 7779

Regulatory and Safety Compliance

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
Regulatory SKU information	ARCNO1014 (7005), ARCNO103 (7010), ARCNO7024 (7024), ARCNO7030 (7030)
Minimum Software Release	ArubaOS 8.4; Aruba Central 2.4.3
Warranty	Hardware Limited: 1 year parts/labor; can be extended with support contract Software: 24/7 support; included in Aruba Central SD-WAN subscription

Hardware Specifications (Branch Gateways) Performance and Capacity

Features	7210	7220	7240/XM	7280
Firewall throughput	20 Gbps	40 Gbps	40 Gbps	100 Gbps
Encrypted throughput (3DES, AES-CBC)	8 Gbps	21 Gbps	28 Gbps	56 Gbps
Encrypted throughput (AES-CCM)	5.6 Gbps	17 Gbps	24 Gbps	45 Gbps
Maximum concurrent endpoints	16,384	24,576	32,768	32,768
Maximum VLANs	4,094	4,094	4,094	4,094
Active firewall sessions	2,015,291	2,015,291	2,015,291	2,015,291
Tunneled Node ports	8,192	12,288	16,384	16,384
Concurrent GRE tunnels (System BSSIDs)	9,216	17,408	34,816	36,613

Technical Specifications

Concurrent IPsec/VPN sessions	16,384	24,576	32,768	32,768
Concurrent SSL fallback sessions	8,192	8,192	8,192	8,192

Interfaces and Indicators

Features	7210	7220	7240/XM	7280
Form factor/footprint	1RU	1RU	1RU	1RU
Auto-negotiating 10/100/1000BASE-T	2 (1G combo)	2 (1G combo)	2 (1G combo)	None
GE ports (GBIC or SFP)	4	4	4	8
Gigabit Ethernet ports (40G QSFP+)	N/A	N/A	N/A	2
USB 2.0	Yes (1)	Yes (1)	Yes (1)	Yes (1)
Management/status LEDs	Yes	Yes	Yes	Yes
LINK/ACT and status LEDs	Yes	Yes	Yes	Yes
LCD panel/navigation	Yes	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)
Out-of-band management port	Yes	Yes	Yes	Yes
Expansion slot (reserved for future use)	Yes	Yes	Yes	Yes

Physical Dimensions

Features	7210	7220	7240/XM	7280
Dimensions (H x W x D)	4.4 cm x 44.5 cm x 44.5 cm (1.75" x 17.5" x 17.5")	4.4 cm x 44.5 cm x 44.5 cm (1.75" x 17.5" x 17.5")	4.4 cm x 44.5 cm x 44.5 cm (1.75" x 17.5" x 17.5")	4.4 cm x 44.2 cm x 40.1 cm (1.73" x 17.40" x 15.79")
Weight	7.45 kg (16.43 lbs)	7.45 kg (16.43 lbs)	7.45 kg (16.43 lbs)	7.9 kg (17.41 lbs)
MTBF (hours, @ 25C)	106,536	113,751	116,590	281,896 @ 45C

Environmental Range

Features	7210	7220	7240/XM	7280
Operating temperature	0° C to 40° C			
Storage temperature	-40° C to 70° C			
Humidity/storage humidity	10% to 90% non-condensing /10% to 95%, non-condensing			
Operating altitude	10,000 feet			
Acoustic noise ¹	52.9 dBA	52.9 dBA	52.9 dBA	47.1 dBA
Maximum power consumption	110 watts	125 watts	165 watts	240 watts
	350-watt AC power supply (7210/7220/7240/7240XM)			550-watt AC power supply (7280 Only)
AC input voltage	100 VAC to 240 VAC			
AC input current	5 - 2.5A			7.1 - 3.4A
AC input frequency	50-60 Hz			
Weight	1.3 kg (2.8 lbs)			0.87 kg (1.9 lbs)

¹Sound power per ETSI 300 753 in accordance with ISO 7779 Power Supply Specifications

Regulatory and Safety Compliance

Safety certifications	UL 60950, EN60950; CAN/CSA 22.2 #60950; CE mark, cTUVus, CB, C-tick, Anatel, NOM, MIC
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Technical Specifications

Electromagnetic emissions certifications	FCC Part 15 Class A CE; Industry Canada Class A; VCCI Class A (Japan); EN 55022 Class A (CISPR 22 Class A), EN 61000-3; 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, EN 55024, AS/NZS 3548
Regulatory SKU information	ARCN7280 (7280); ARCN0102 (7240/7240XM); ARCN0101 (7220); ARCN0100 (7210); ARCN7205 (7205)
Minimum Software Release	ArubaOS 8.4; Aruba Central 2.4.3
Warranty	Hardware Limited: 1 year parts/labor; can be extended with support contract Software: 24/7 support; included in Aruba Central SD-WAN subscription

Summary of Changes

Date	Version History	Action	Description of Change:
15-Jun-2018	Version 2	Changed	Updates on all sections were made
04-Jun-2018	Version 1	Creation	Document creation



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