QuickSpecs

Overview

HPE Aruba Networking Gateway Software

Improved visibility and control at the WAN edge

HPE Aruba Networking Gateway Software technology is the answer to growing bandwidth demands and tightening budget considerations. New solutions offer simplified WAN operations and reduced operational costs for those managing public and private WAN connections, and those shifting toward cloud-based services altogether.

Aruba SD-WAN is designed for all of this and more - optimizing routing decisions and improving visibility across the WAN edge. Full Layer 7 application awareness combines with unique in-branch visibility based on end-user roles, device type, and location context to make Aruba SD-WAN ideal for distributed enterprises.

In fact, organizations in the retail, hospitality, and healthcare space - which typically have lean and centralized network teams - can improve the time to deploy, manage and maintain WAN connections, while enhancing the user experience and business operations. Aruba SD-WAN serves a key role in HPE Aruba Networking's overall SD-Branch solution.

Intelligent WAN Management

Through simplified workflows, managing a WAN can be completely orchestrated to improve the speed of deployment, network performance, and ongoing configuration changes. HPE Aruba Networking Central, an AI-powered network operations, assurance, and security platform, provides SD-WAN, as well as WLAN and LAN visibility and controls. Cloud advantages make it easy to configure and deploy and see data from Aruba branch gateways, headend gateways, and virtual gateways from anywhere. There is no on-premises management equipment to update or maintain.

Cloud-based SD-WAN orchestration

Using cloud-scale best practices, Aruba SD-WAN provides end-to-end orchestration to easily distribute routes and build scalable and secure VPN tunnels on-demand. This is based on the data center preference configured in HPE Aruba Networking Central. The orchestrator also simplifies the deployment of virtual gateways within Amazon AWS and Microsoft Azure public cloud infrastructure by automating cloud discovery, onboarding, and management.

Unrestricted bandwidth

Unlike other SD-WAN vendors, HPE Aruba Networking's SD-WAN solution offers unrestricted bandwidth per every gateway license. This means you have access to full hardware performance capabilities right out of the box - no upgrade purchases required.

Hewlett Packard Enterprise

Standard Features

Key Features
- On-premises and virtual gateway options
- Policy-based routing for 3,000+ applications with no additional hardware
- Licenses with unrestricted bandwidth for every SD-WAN gateway
- Flexible, cloud-based SD-WAN orchestration
- Policy enforcement for WAN, WLAN, and LAN
- Security integration with cloud and on-premises solutions

SD-WAN Gateways
SD-WAN gateways for branch
HPE Aruba Networking's SD-WAN gateways are designed to support multiple WAN connections that can be either broadband, MPLS or cellular links. Software features include the ability to route and prioritize traffic being sent to the data center, public cloud infrastructure or the Internet. Each gateway also supports High Availability (HA) requirements (e.g. active/active and active/standby), making it ideal for sites that need full redundancy.

SD-WAN gateways for headend
Aruba SD-WAN gateways deployed in headend/data center environments act as VPN concentrators (VPNCs) to terminate traffic from branch gateways. These gateways offer support for up to thousands of branch sites. In a typical dual hub-and-spoke model, one or more headend gateways can be used to terminate IPSec tunnels established from branch gateways.

SD-WAN gateways for public cloud
HPE Aruba Networking virtual gateways are deployed in public cloud infrastructures, such as a Microsoft **Azure Virtual Network (VNET)** or Amazon Web Services **virtual private cloud** (AWS VPC). These gateways serve as a virtual instance of a headend gateway and enable seamless and secure connectivity for all branch and data center locations connecting to public clouds. Virtual gateways support public Internet and private connections such as Direct Connect.

Virtual gateways are managed by HPE Aruba Networking Central and include full orchestration that completely automates VNET/VPC discovery, subnet management, gateway onboarding, HA configuration and status monitoring.
Virtual gateways support up to 4 Gbps of throughput, with 1-, 3-, and 5-year subscription options.

Microsoft Features
Office 365, Teams and Skype for Business
HPE Aruba Networking's **integration with Microsoft** enables unique application insight that detects Office 365, Teams and Skype for Business traffic and then prioritizes them over less critical applications. HPE Aruba Networking Central also includes specific call quality heuristics for additional visibility.

Microsoft preferred solution
HPE Aruba Networking virtual gateways are a **Microsoft preferred solution** on the Azure Marketplace. This means the gateway application has been validated by Microsoft experts as having proven competencies and capabilities that meet customer needs.

Policy-based Routing and Supported Protocols
With Policy-based Routing (PBR), traffic can be routed across multiple private or public WAN uplinks based on application type and link health, device profile, user role, and destination. Supported protocols include BGP, OSPF and static routes.

SAAS Optimization
HPE Aruba Networking Central enables the discovery of SaaS application servers based on geography, monitoring of application performance, and dynamic steering of WAN traffic from one server to another. This capability ensures that users who access SaaS applications such as Microsoft 365 (Office 365), Box, Slack, and Zendesk are matched to the best available points of presence. This feature requires the SD-WAN Advanced License. For more information, please refer to the latest **HPE Aruba Networking Central documentation**

Standard Features

Key WAN Features

Overlay and Hybrid WAN Management
Aruba SD-WAN introduces a new architecture that provides a network overlay for WAN connections to improve visibility and control across private and public connections (hybrid WAN).

Hub-and-Spoke Topology
Secure connections can be established from a branch site to a headend site using public or private connections. This allows users to efficiently access corporate resources hosted in data centers.

Site-to-Site VPNs
Secure connections can also be established from one branch site to another over a public Internet connection. This allows users from different locations to access network resources hosted within the corporate network without going through the data center.

Dynamic Path Steering (DPS)
WAN traffic can be automatically routed over the best available uplink based on characteristics, such as WAN throughput, latency, jitter, and packet loss.

WAN Visibility
With deep packet inspection technology, HPE Aruba Networking Central provides monitoring for application traffic that enters and exits a branch network – regardless of the uplink type. This makes it easy for IT to manage WAN environments that increasingly utilize public WAN connections.

WAN Compression
Ideal for use during periods of network congestion, this WAN compression feature allows IT to send more traffic through the same WAN circuit at any given moment or timeframe.

Unrestricted Bandwidth
Aruba SD-WAN licenses provide access to the full bandwidth specification for each gateway. No additional license upgrades required.

Key Configuration Features

Simplified Installation Wizard
For easy configuration of SD-WAN gateways, HPE Aruba Networking Central provides users with step-by-step navigation that simplifies provisioning of the network.

Configuration Hierarchy
Network settings can be pre-configured and customized in HPE Aruba Networking Central based on branch-specific requirements. Zero Touch Provisioning (ZTP) provides an easy and error-free deployment model.

Zero Touch Provisioning (ZTP)
Using Zero Touch Provisioning, the hardware gateways can be factory-shipped and deployed onsite using Aruba Activate™, a cloud-based activation service that seamlessly works with HPE Aruba Networking Central. Settings can be applied based on configuration and other network-specific requirements.

Simple, mobile provisioning
HPE Aruba Networking's mobile installer app allows on-site personnel to easily onboard gateways. A central IT team can verify device location, licenses, and status with no additional steps required. This is available for iOS and Android.

Standard Features

Key Security and Visibility Features

Dynamic Segmentation

To simplify and better secure wired and wireless network access, the branch gateway can automatically enforce per user and per-device roles on wired and wireless networks. Integration with ClearPass Policy Manager allows for centralized role and policy management. This ensures consistent policy regardless of user role and device type, and eliminates the need to configure unnecessary SSIDs, ACLs, VLANs and subnets at every node in the network. For more information on Dynamic Segmentation, please refer to the **solution overview.**

Policy Enforcement Firewall

Included within the Foundation license, PEF allows for wired and wireless user and application traffic to be sent to a branch gateway through GRE tunnels for inspection. Enforcement of policies based on user role, device type, application and location is accomplished through dynamic segmentation.

Application visibility and control

Also included in the Foundation license is an application visibility feature that uses Deep Packet Inspection (DPI) technology to evaluate and optimize performance and QoS policies for over 3,000 applications, including encrypted and hidden traffic.

Web content filtering

The Web Content Classification (WebCC) bundle is also part of the Foundation license. This classifies websites by content category and rates them by reputation. It can also block, apply QoS, bandwidth-limit, mirror, and log web content.

Unified Communications and Collaboration (UCC)

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

Third-party security gateway and firewall support

For advanced malware or antivirus protection, HPE Aruba Networking gateways can assume the role of an on-premises agent of centrally hosted firewalls such as those provided by Palo Alto Networks and Check Point Software, or web security gateways such as Zscaler and Symantec.

Service and Warranty Information

- Hardware: 1-year parts/labor, can be extended with hardware-only support contract
- Branch and Headend Gateway Subscriptions: 1, 3, 5, 7, or 10-year options which include software support
- Virtual Gateway Subscriptions: 1, 3, or 5-year options which include software support

Configuration Information

Build To Order: BTO is a standalone unit with no integration. BTO products ship standalone are not part of a CTO or Rack-Shippable solution.

Controllers

1. Select the appropriate HPE Aruba Networking Gateway

Remarks	Description	SKU
	HPE Aruba Networking Branch Gateway	
	7010	
	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 (JP) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP for 32 AP and 2K Clients Cntrlr	JW681A
	Aruba 7010(IL) 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 for AP and 2K Clients Cntrlr	JW680A
	Aruba 7010 (EG) 16x 1000BASE-T + 2x SFP Ports 32 AP Branch Controller	JY850A
	7030	
	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 (JP) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	JW689A
	Aruba 7030 (IL) 8p Dual Pers 10/100/1000BASE-T/1GBASE-X SFP 64 AP and 4K Clients Controller	JW688A
	Aruba 7030 (EG) 8x 1000BASE-T or 8xSFP64 AP Branch Controller	JY851A
	7030 K12 Bundle	
	Aruba 7030-K12-32-RW 7030 K-12 (RW) Mobility Controller w/32 AP License Bundle	JW773A
	Aruba 7030-K12-32-US 7030 K-12 (US) Mobility Controller w/32 AP License Bundle	JW774A
	TAA Controllers	
	7010 TAA	
	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 (JP) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1GBASE-X SFP 32 AP and 2K Clnts Cntrlr	JW705A
	Aruba 7010 (IL) FIPS/TAA 16p 150W PoE+ 10/100/1000BASE-T 1G BASE-X SFP 32 AP and 2K Clnts Cntrlr	JW704A
	7030 TAA	
	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
	HPE Aruba Networking Headend Gateway	

Remarks	Description	SKU
	7210	
	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 (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW749A
	Aruba 7210 (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW747A
	Aruba 7210 (EG) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JY853A

Configuration Information

7210 K12

Aruba 7210-K12-128-RW 7210 K-12 (RW) Mobility Controller w/128 AP License Bundle	JW779A
Aruba 7210-K12-128-US 7210 K-12 (US) Mobility Controller w/128 AP License Bundle	JW780A
Aruba 7210-K12-256-RW 7210 K-12 (RW) Mobility Controller w/256 AP License Bundle	JW781A
Aruba 7210-K12-256-US 7210 K-12 (US) Mobility Controller w/256 AP License Bundle	JW782A

7220

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 (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW757A
Aruba 7220 (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW755A

7240XM

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 (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW785A
Aruba 7240XM (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW786A
Aruba 7240XM (EG) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JY854A

7280

Aruba 7280 (RW) 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX911A
Aruba 7280 (US) 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX910A
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

DC Powered Controllers
7210 DC

Aruba 7210DC (RW) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Pwr Cntrlr	JW645A
Aruba 7210DC (US) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Pwr Cntrlr	JW646A
Aruba 7210DC (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Pwr Cntrlr	JW648A
Aruba 7210DC (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Pwr Cntrlr	JW647A

7220 DC

Aruba 7220DC (RW) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Pwr Cntrlr	JW649A
Aruba 7220DC (US) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Pwr Cntrlr	JW650A
Aruba 7220DC (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Pwr Cntrlr	JW652A
Aruba 7220DC (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) 350W DC Pwr Cntrlr	JW651A

7240XM DC

Aruba 7240XMDC (RW) 16GB DRAM 4p 10GBase-X /SFP+ 2p Dual Pers (10/100/1000 or SFP) DC Pwr Cntrlr	JW674A
Aruba 7240XMDC (US) 16GB DRAM 4p 10GBase-X /SFP+ 2p Dual Pers (10/100/1000 or SFP) DC Pwr Cntrlr	JW675A
Aruba 7240XMDC (JP) 16GB DRAM 4p 10GBase-X /SFP+ 2p Dual Pers (10/100/1000 or SFP) DC Pwr Cntrlr	JW676A
Aruba 7240XMDC (IL) 16GB DRAM 4p 10GBase-X /SFP+ 2p Dual Pers (10/100/1000 or SFP) DC Pwr Cntrlr	JW677A

Configuration Information

TAA Controllers

7210 TAA

Aruba 7210 (RW) TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW745A
Aruba 7210 (US) TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW746A
Aruba 7210 (JP) TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW750A
Aruba 7210 (IL) TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW748A

7220 TAA

Aruba 7220 (RW) TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW753A
Aruba 7220 (US) TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW754A
Aruba 7220 (JP) TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW758A
Aruba 7220 (IL) TAA 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Controller	JW756A

7240XM TAA

HPE Aruba Networking 7240XM (RW) 16G DRAM 4p 10GBase-X SFP+ 2p Dual Per 10/100/1000BASE-T/SFP Cntrlr	JW829A
HPE Aruba Networking 7240XM (US) 16G DRAM 4p 10GBase-X SFP+ 2p Dual Per 10/100/1000BASE-T/SFP Cntrlr	JW830A
HPE Aruba Networking 7240XM (JP) 16G DRAM 4p 10GBase-X SFP+ 2p Dual Per 10/100/1000BASE-T/SFP Cntrlr	JW831A
HPE Aruba Networking 7240XM (IL) 16G DRAM 4p 10GBase-X SFP+ 2p Dual Per 10/100/1000BASE-T/SFP Cntrlr	JW832A

7280 TAA

Aruba 7280 (RW) TAA-compliant 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX915A
Aruba 7280 (US) TAA-compliant 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX914A
Aruba 7280 (JP) TAA-compliant 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX916A
Aruba 7280 (IL) TAA-compliant 2x40GbE and 8x10GBASE-X (SFP+) Controller	JX917A
Aruba 7280 (EG) TAA-compliant 2x40GbE and 8x10GBASE-X (SFP+) Controller	JZ078A

2. Select power supply for AC powered units (Optional)

Power Options

Remarks	Description	SKU
	Supported on 7008 models	
	HPE Aruba Networking PSU-310-AC 7008 Series 150W AC Spare Power Supply	JX933A
	Supported on 7210, 7220 and 7240 and 7240XM models	
	Aruba PSU-350-AC 7200 Series 350W AC Power Supply	JW657A
	HPE Aruba Networking PSU-350-DC 7200 Series Mobility Controllers 350W DC (-48V DC) Power Supply	JW658A
Notes:	Must match chassis type (AC or DC power)	
	Supported on 7280 models	
	HPE Aruba Networking PSU-550-AC 550W AC Power Supply	JZ012A

Select AC Power cord for power supply

Remarks	Description	SKU
	HPE Aruba Networking PC-AC-ARG 250V/10A 1.8m C13 to IRAM 2073 (AR) AC Power Cord	JW113A
	HPE Aruba Networking PC-AC-AUS 250V/10A 1.8m C13 to AS3112 (AU) AC Power Cord	JW114A
	HPE Aruba Networking PC-AC-BR 250V/10A 1.8m C13 to NBR 14136 (BR) AC Power Cord	JW115A
	HPE Aruba Networking PC-AC-CHN 250V/10A 1.8m C13 to GB2099 (CH) AC Power Cord	JW116A
	HPE Aruba Networking PC-AC-DEN 250V/10A 1.8m C13 to AFSNIT 107-2-D1 (DK) AC Power Cord	JW117A
	HPE Aruba Networking PC-AC-EC 250V/10A 1.8m C13 to CEE7/7 (EU) AC Power Cord	JW118A
	HPE Aruba Networking PC-AC-IN 250V/6A 1.8m C13 to IS1293 (IN) AC Power Cord	JW119A

Configuration Information

HPE Aruba Networking PC-AC-IL 250V/10A 1.8m C13 to SI32 (IL) AC Power Cord	JW120A
HPE Aruba Networking PC-AC-IT 250V/10A 1.8m C13 to CEI 23-50 (IT) AC Power Cord	JW121A
HPE Aruba Networking PC-AC-JPN 125V/12A 1.8m C13 to JISC 8303 (JP) AC Power Cord	JW122A
HPE Aruba Networking PC-AC-KOR 250V/7A 1.8m C13 to KSC 8305 (KR) AC Power Cord	JW123A
HPE Aruba Networking PC-AC-NA 125V/10A 1.8m C13 to NEMA 5-15P (NA) AC Power Cord	JW124A
HPE Aruba Networking PC-AC-SWI 220V/10A 1.8m C13 to SEV 1011 (SW) AC Power Cord	JW125A
HPE Aruba Networking PC-AC-UK 250V/10A 1.8m C13 to BS1363 (UK) AC Power Cord	JW127A
HPE Aruba Networking PC-AC-ZA 250V/10A 1.8m C13 to SANS 164-1 (ZA) AC Power Cord	JW128A

3. Select transceivers

Transceivers

Rule #	Description	SKU
	Supported on 7010, 7024, 7030, 7210, 7220, 7240 and 7240XM models	
1	HPE Aruba Networking 1G SFP LC LX 10km SMF Transceiver	J4859D
1	HPE Aruba Networking 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
1	HPE Aruba Networking 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D
2	HPE Aruba Networking 1G SFP LC LH 70km SMF Transceiver	J4860D
	Supported on 7024, 7210, 7220, 7240, 7240XM and 7280 models	
	HPE Aruba Networking SFP-10GE-ZR 10GBASE-ZR SFP+ 1310nm LC Connector Pluggable 10GbE Transceiver	JW148A
1	HPE Aruba Networking 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
1	HPE Aruba Networking 10G SFP+ LC LRM 220m OM2 MMF Transceiver	J9152D
1	HPE Aruba Networking 10G SFP+ LC ER 40km SMF Transceiver	J9153D
1	HPE Aruba Networking 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D
1	HPE Aruba Networking 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D
1	HPE Aruba Networking 10G SFP+ to SFP+ 7m Direct Attach Copper Cable	J9285D
	Supported on 7280 models	
2	HPE Networking X142 40G QSFP+ MPO SR4 Transceiver	JH231A
2	HPE Networking X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
2	HPE Networking X142 40G QSFP+ MPO eSR4 300M Transceiver	JH233A
2	HPE Networking X242 40G QSFP+ to QSFP+ 1m Direct Attach Copper Cable	JH234A
2	HPE Networking X242 40G QSFP+ to QSFP+ 3m Direct Attach Copper Cable	JH235A
2	HPE Networking X242 40G QSFP+ to QSFP+ 5m Direct Attach Copper Cable	JH236A
2	HPE Networking Comware X240 40G QSFP+ to 4x10G SFP+ 1m Direct Attach Copper Splitter Cable	JG329A
2	HPE Networking Comware X240 40G QSFP+ to 4x10G SFP+ 5m Direct Attach Copper Splitter Cable	JG331A
2	HPE Aruba Networking 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver	JL308A

Configuration Rules

Rule #	Description	SKU
1	Minimum HPE Aruba Networking OS software version is 6.5.3.0 and 8.1.0.0	
2	Minimum HPE Aruba Networking OS software version is 6.5.4.7 and 8.4.0.0	

4. Available HPE Aruba Networking Central SD-WAN licenses

Software Licenses

Supported on 7005 and 7008 models	
HPE Aruba Networking 90/70xx Central Gateway Foundation 1-year Subscription E-STU	JZ118AAE
HPE Aruba Networking 90/70xx Central Gateway Foundation 3-year Subscription E-STU	JZ119AAE
HPE Aruba Networking 90/70xx Central Gateway Foundation 5-year Subscription E-STU	JZ120AAE
HPE Aruba Networking 90/70xx Central Gateway Foundation 7-year Subscription E-STU	R0G52AAE
HPE Aruba Networking 90/70xx Central Gateway Foundation 10-year Subscription E-STU	R0G53AAE

Configuration Information

HPE Aruba Networking 90/70xx Central Gateway Foundation Base Capacity 1-year Subscription E-STU	JZ124AAE
HPE Aruba Networking 90/70xx Central Gateway Foundation Base Capacity 3-year Subscription E-STU	JZ125AAE
HPE Aruba Networking 90/70xx Central Gateway Foundation Base Capacity 5-year Subscription E-STU	JZ126AAE
HPE Aruba Networking 90/70xx Central Gateway Foundation Base Capacity 7-year Subscription E-STU	R0G56AAE
HPE Aruba Networking 90/70xx Central Gateway Foundation Base Capacity 10-year Subscription E-STU	R0G57AAE
Supported on all 70xx or 90xx models	
HPE Aruba Networking 90/70xx Central Gateway Advanced 1-year Subscription E-STU	JZ121AAE
HPE Aruba Networking 90/70xx Central Gateway Advanced 3-year Subscription E-STU	JZ122AAE
HPE Aruba Networking 90/70xx Central Gateway Advanced 5-year Subscription E-STU	JZ123AAE
HPE Aruba Networking 90/70xx Central Gateway Advanced 7-year Subscription E-STU	R0G54AAE
HPE Aruba Networking 90/70xx Central Gateway Advanced 10-year Subscription E-STU	R0G55AAE
Supported on all 72xx models	
HPE Aruba Networking 92/72xx Central Gateway Foundation 1-year Subscription E-STU	JZ195AAE
HPE Aruba Networking 92/72xx Central Gateway Foundation 3-year Subscription E-STU	JZ196AAE
HPE Aruba Networking 92/72xx Central Gateway Foundation 5-year Subscription E-STU	JZ197AAE
HPE Aruba Networking 92/72xx Central Gateway Foundation 7-year Subscription E-STU	R0G60AAE
HPE Aruba Networking 92/72xx Central Gateway Foundation 10-year Subscription E-STU	R0G61AAE
HPE Aruba Networking 92/72xx Central Gateway Advanced 1-year Subscription E-STU	JZ198AAE
HPE Aruba Networking 92/72xx Central Gateway Advanced 3-year Subscription E-STU	JZ199AAE
HPE Aruba Networking 92/72xx Central Gateway Advanced 5-year Subscription E-STU	JZ200AAE
HPE Aruba Networking 92/72xx Central Gateway Advanced 7-year Subscription E-STU	R0G62AAE
HPE Aruba Networking 92/72xx Central Gateway Advanced 10year Subscription E-STU	R0G63AAE

5. Accessories (Optional)

Remarks	Description	SKU
	Shelf Mount Kit (optional)	
	HPE Aruba Networking 7005-MNT-19 7005 Series 19-inch Rack Mount Kit	JW084A
	HPE Aruba Networking 7008-MNT-19 7008 Series 19-inch Rack Mount Kit	JX934A
	HPE Aruba Networking 7010-MNT-19 7010 Series Replacement 19-inch Rack Mount Kit	JW085A
	Supported on the 7024 and 7030 series controllers.	
	HPE Aruba Networking 7030-MNT-19 7030 Series Replacement 19-inch Rack Mount Kit	JW086A
	Supported on the 7024 series controller.	
	HPE Aruba Networking SPR-WL2-MNT S1500-24/-48/S2500/S1500-24/-48/S2500 Wall and Rack Mount Kit	JW083A
	Supported on the 7280 Models	
	HPE Aruba Networking SPR-RK3-MNT 7205 / 7024 / S2500-xx / S1500-24P/48P Spare Front Rack Mount	JW082A
	Supported on the 7210, 7220, 7240, 7240XM Models:	
	HPE Aruba Networking SPR-RK-MNT 7200 / S3500 / S1500-24/48 / S2500 Spare Front or Mid Mount	JW107A
	HPE Aruba Networking SPR-4RK-MNT 7200 Series / S3500 Spare Four-Post 19" Rack-Mount Kit	JW108A
	HPE Aruba Networking SPR-WL-MNT 7200 Series or S3500 Wall Mount Kit	JW109A
	Accessories only supported on the 7210, 7220, 7240, 7240XM Models	
	HPE Aruba Networking PSU-PWBLNK 7200 Series and S3500 Power Supply Spare Faceplate Blank	JW110A
	HPE Aruba Networking HW-7200-FT 7200 Series Fan Tray	JW111A
	HPE Aruba Networking SPR-ESBLNK 7200 Series Expansion Slot Blank Panel	JW112A

Configuration Information

Accessories only supported on the 7280 Models

HPE Aruba Networking HW-7280-FT 7280 Series Fan Tray	JZ013A

Memory Upgrades

Notes: Memory Upgrades should not be further configurable with any controller option
For the 7240XM upgrade SKUs, the customer can order the upgrade SKU, get shipped the 7240XM and will have 60 days from the time the order is placed to return the old 7240 SKU. At the end of 60 days, the customer will be invoiced for the differential amount and will be responsible for the invoice in 30 days.

7240XM Memory Upgrade

Aruba 7240XM (RW) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Cntrlr 16GB Upgrade	JW833A
Aruba 7240XM (US) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Cntrlr 16GB Upgrade	JW834A
Aruba 7240XM (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Cntrlr 16GB Upgrade	JW835A
Aruba 7240XM (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Cntrlr 16GB Upgrade	JW836A

7240XM TAA Memory Upgrade

Aruba 7240XM (RW) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Cntrlr 16GB Upgrade	JW837A
Aruba 7240XM (US) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Cntrlr 16GB Upgrade	JW838A
Aruba 7240XM (JP) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Cntrlr 16GB Upgrade	JW839A
Aruba 7240XM (IL) 4p 10GBase-X (SFP+) 2p Dual Pers (10/100/1000BASE-T or SFP) Cntrlr 16GB Upgrade	JW840A

7240XMDC Memory Upgrade

Aruba 7240XMDC (RW) 4p 10GBase-X /SFP+ 2p Dual Pers (10/100/1000 or SFP) DC Pwr Cntrlr 16GB Upgrade	JW841A
Aruba 7240XMDC (US) 4p 10GBase-X /SFP+ 2p Dual Pers (10/100/1000 or SFP) DC Pwr Cntrlr 16GB Upgrade	JW842A
Aruba 7240XMDC (JP) 4p 10GBase-X /SFP+ 2p Dual Pers (10/100/1000 or SFP) DC Pwr Cntrlr 16GB Upgrade	JW843A
Aruba 7240XMDC (IL) 4p 10GBase-X /SFP+ 2p Dual Pers (10/100/1000 or SFP) DC Pwr Cntrlr 16GB Upgrade	JW844A

Technical Specifications

Branch Gateways

Features	9004	7005	7008	7010	7024	7030
Deployment mode	Small/Medium	Small	Small site	Medium site	Medium site	Large site
Maximum clients	Up to 2,048[1]	Up to 1,024[1]	1,024[1]	2,048	2,048	4,096
Firewall throughput	4 Gbps	4 Gbps	4 Gbps	8 Gbps	8 Gbps	8 Gbps
Encrypted throughput (3DES)	4 Gbps	1.2 Gbps	1.2 Gbps	2.4 Gbps	2.4 Gbps	2.4 Gbps
Encrypted throughput (AES-CBC)	4 Gbps	1.3 Gbps	1.3 Gbps	2.6 Gbps	2.6 Gbps	2.6 Gbps
Active firewall sessions	64K	32K	32K	32K	32K	64K
WAN/LAN interfaces	4	4	8	16	24	8 (combo)
PoE in/out	N/A	In; E0	Out; 100W	Out; 150W	Out; 400W	N/A
USB (WAN)	1x USB 3.0	1x USB 2.0	1x USB 2.0	1x USB 2.0	1x USB 2.0	1x USB 2.0
Form factor/footprint	Desktop/1RU[2]	Desktop/1RU	Desktop/1RU	1RU	1RU	1RU

Notes:
[1]The 9004, 7005, and 7008 offer a base capacity license for up to 75 clients.
[2]The 1RU can support two 9004 gateways side-by-side using an optional mount kit.

Headend Gateways

Features	7010	7024	7030	7210	7220	7240XM
Deployment mode	VPN Concentrator (VPNC)	VPNC	VPNC	VPNC	VPNC	VPNC
Encrypted throughput (3DES)	2.4 Gbps	2.4 Gbps	2.4 Gbps	7 Gbps	25 Gbps	28 Gbps
Encrypted throughput (AES-CBC)	2.6 Gbps	2.6 Gbps	2.6 Gbps	7 Gbps	22 Gbps	30 Gbps
WAN compression performance	2.5 Gbps	2.5 Gbps	2.5 Gbps	10 Gbps	10 Gbps	10 Gbps
Maximum tunnels	512	512	512	1,024	4,096	6,144
Maximum IKE-learnt routes	3,000	3,000	6,000	6,000	20,000	30,000
Form factor/footprint	1RU	1RU	1RU	1RU	1RU	1RU

Virtual Gateways

Features	Amazon AWS VPC	Microsoft Azure VNET
Deployment mode	Public Cloud Infrastructure (VPNC)	Public Cloud Infrastructure
Firewall throughput	500 Mbps, 2 Gbps, 4 Gbps	500 Mbps
Number of interfaces	3 (plus 1 for management)	3 (plus 1 for management)
Virtual CPU	Up to 16	4
Memory	Up to 60GB	14GB
Maximum tunnels	Up to 1,600	Up to 1,600
Infrastructure	Additional VPC infrastructure costs based on a BYOL model	Additional VPC infrastructure costs based on a BYOL model

For additional information on ordering and full gateway hardware specifications, please refer to:
7000 Series Mobility Controller Data sheet
**7200 Series Mobility Controller Data sheet**
9004 Series Gateways Data sheet

Summary of Changes

Date	Version History	Action	Description of Change:
22-Jan-2024	Version 5	Changed	Series name was updated. Obsolete SKUs were removed.
02-Dec-2019	Version 4	Changed	Overview, Standard Features and Configuration Information sections were updated.
03-Dec-2018	Version 3	Changed	Complete document remade with shorter version provided by product owner.
15-Jun-2018	Version 2	Changed	Updates on all sections were made
04-Jun-2018	Version 1	New	New Quickspecs

Summary of Changes

**Make the right purchase decision.
Contact our presales specialists.**
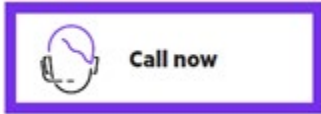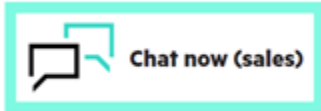
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