

HPE Aruba Networking Hardware Mobility Conductor Series

HPE Aruba Networking MCR-HW-1K-F1 FIPS/TAA Support for 1K Devices Mobility Conductor HW Appliance (JZ396A)



What's new

- Virtual or hardware appliance for enhanced scale and reliability for HPE Aruba Networking Mobility Controllers.
- Manage up to 10,000 access points for large campus requirements.
- Support for 802.11ax (Wi-Fi 6), WPA3 and Enhanced Open and existing standards.
- Dynamic Segmentation enforces wired and wireless access policies to simplify and secure the network.
- Built-in AI-powered wireless RF optimization.
- Automate deployment with Zero Touch Provisioning (ZTP) and hierarchical configuration.

Overview

Extended maintenance windows, network upgrades and unplanned outages can mean hundreds or even thousands of hours of lost productivity yearly. More than ever, network infrastructure is mission-critical, and to meet these demands, the [HPE Aruba Networking Hardware Mobility Conductor Series](#) simplifies the deployment and management of up to 1,000 HPE Aruba Networking Mobility Controllers to scale large campus deployments.

The Hardware Mobility Conductor Series enables high scale and reliability, managing up to 100,000 clients, 10,000 access points, and 1,000 controllers/gateways. It also provides simplified deployment with dynamic license management and configuration hierarchy.

The HPE Aruba Networking Hardware Mobility Conductor Series can be deployed as either a virtual or hardware appliance with choice of virtual or x86 hardware appliances.

Features

Mission-critical Networking

The HPE Aruba Networking Hardware Mobility Conductor Series deliver seamless roaming, enhanced security, and live upgrades, eliminating the need for planned maintenance windows or downtime.

Increases scale by joining HPE Aruba Networking Mobility Controllers to a controller cluster, improves reliability using enhanced high availability (HA), and adopts configurations seamlessly based on hierarchy.

Reduces maintenance windows by enabling live upgrades.

Enhanced Performance and Security

HPE Aruba Networking AirMatch automates network-wide RF channels, channel width, and transmits power to optimize the highest density environments.

Seamless Layer 2 and Layer 3 roaming enables users to roam between floors, buildings or across the entire network without any re-authentication, change to their IP address, or loss of firewall state.

User sessions and access point traffic are load-balanced within a controller cluster managed by the Hardware Mobility Conductor Series. This optimizes network utilization during peak periods and maximizes availability during unplanned outages.

Serving a key role in Dynamic Segmentation and acting as policy enforcement agents, the Hardware Mobility Conductor Series provides a single management layer for controllers and virtual controllers.

Support for WPA3 brings stronger encryption and authentication methods, while Enhanced Open brings automatic encryption security to open networks.

Simple and Flexible Deployment

Leverage existing virtual infrastructure by running the HPE Aruba Networking Hardware Mobility Conductor Series as a virtual appliance.

Dynamically manage licenses based on site requirements by accessing licensing pools.

Zero Touch Provisioning (ZTP) reduces operational costs and avoids provisioning errors. By deploying without local IT resources, a managed device will automatically discover the mobility conductor and download its local configuration.

Can be deployed as a conductor controller for any combination of HPE Aruba Networking 7000 Series Mobility Controllers or HPE Aruba Networking 7200 Series Mobility Controllers and HPE Aruba Networking Mobility Controller Virtual Appliances.

Technical specifications	HPE Aruba Networking MCR-HW-1K-F1 FIPS/TAA Support for 1K Devices Mobility Conductor HW Appliance
Product Number	JZ396A
Differentiator	HPE Aruba Networking Mobility Conductor pre-installed, with support for up to 1,000 devices. Certified for use in FIPS/TAA environments.
Certifications	Wi-Fi CERTIFIED WPA3, WI-FI CERTIFIED Enhanced Open,Wi-Fi 6 (802.11ax), Wi-Fi CERTIFIED 802.11ad,
Regulatory	Regulatory SKU#: ARCNMCRHW FCC Part 15 Class A CE Industry Canada Class A VCCI Class A (Japan) EN 55032 Class A (CISPR 32 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 UL 60950, EN60950 CAN/CSA 22.2 #60950 CE mark, cTUVus, CB, C-tick, Anatel, NOM, MIC
Warranty	1-year hardware warranty (parts/ labor) it can be extended with support contract. See warranty duration guide.
Weight	7.2 kg
Product dimensions (metric)	4.4 x 44.2 x 40.1 cm
Input voltage	100-240V AC
Ports	Two 10 GBASE-X (SFP+) ports
Mounting	Hardware appliance: Mounts in a standard telco rack or equipment cabinet
Power consumption	Hardware appliance: 120W, typical

HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies, or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what HPE Services - Aruba Networking has to offer at: hpe.com/edge/services

Support Services

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

Professional Services

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from HPE Aruba Networking technology.

Project based services include:

- Planning, audit, and assessment
- Architecture review and design
- Deployment, migration, and knowledge transfer

Annual subscription services include:

- Network optimization
- Intelligent Operations
- Customer Experience Management

Our [Education Services](#) allow your team to come up to speed quickly.

GreenLake for Networking

Deliver innovative business outcomes by leveraging new ways to consume, deploy and [manage networks](#).

[For additional technical information, available models and options, please reference the QuickSpecs](#)

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

Image may differ from the actual product.

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