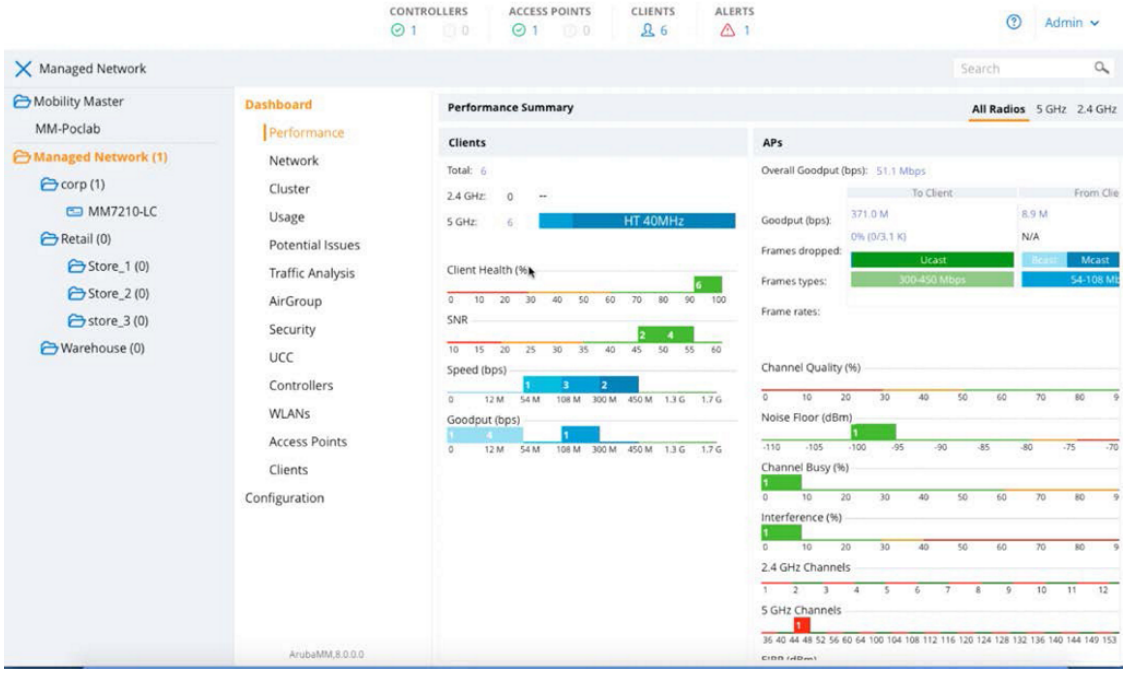
HPE Aruba Networking Mobility Controller Virtual Appliances



What's new

- Utilize your existing virtualization infrastructure to deploy enterprise WLAN at scale without purchasing additional hardware.
- Manage up to 16,000 concurrent users and 1,000 access points with the same functionality as the physical mobility controllers.
- Support for Wi-Fi 6 (802.11ax), Wi-Fi 6E, Wi-Fi 7, WPA3, Enhanced Open, and existing standards.
- Easily centralize the configuration of role-based access controls with built-in policy enforcement firewall for

Overview

HPE Aruba Networking Mobility Controller Virtual Appliances offer the functionality of a hardware controller in a cost-effective virtualized environment. They leverage your existing virtualization infrastructure and offer the same functionality as the physical mobility controllers to deliver network services that maximize Wi-Fi performance.

The HPE Aruba Networking Mobility Controller Virtual Appliance is deployed as a virtual machine (VM), residing with other VMs sharing the same existing virtualization infrastructure for operational saving. Running on HPE Aruba Networking Wireless Operating System (AOS-8), these virtual appliances can be managed by HPE Aruba Networking Mobility Conductor Software for higher scale and deployed using Zero Touch Provisioning (ZTP).

Dynamic Segmentation.

- Includes built-in AI-powered wireless RF optimization and provides seamless L2/L3 roaming for thousands of users or client devices.

- Simplify deployment using Zero Touch Provisioning (ZTP).

Features

Scalable Performance

Manages up to 16,000 concurrent users and 1,000 access points and offers the same functionality as the physical mobility controllers and can be managed by the HPE Aruba Networking Mobility Conductor Software for higher scale.

HPE Aruba Networking AirMatch automates network-wide RF channels, channel width, and transmits power to enhance 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.

As part of a controller cluster managed by the HPE Aruba Networking Mobility Conductor Software, the Mobility Controller Virtual Appliances helps enhance scale, improves reliability, and enables live upgrades to reduce maintenance windows.

Can be installed on VMware ESXi™, Microsoft Hyper-V, and open-source KVM instances.

Enhanced Security

Dynamic Segmentation for granular user, device, and application policies across access points and network switches means there is no need to configure separate VLANs, ACLs, and subnets.

Enabled by the PEF license, wired and wireless user and application traffic can be tunneled to a stateful firewall on the VMC through GRE tunnels for inspection. Policies are then enforced based on user role, device type, application and location.

Application visibility is enabled by the PEF license, with Deep Packet Inspection (DPI) technology evaluating and enhancing performance and quality of service policies for over 3,000 applications.

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

Simple and Flexible Deployment

As campus and branch requirements change, additional HPE Aruba Networking Mobility Controller Virtual Appliances, memory, and compute resources can be added.

It simplifies operations by sharing licenses from a global licensing pool.

Zero Touch Provisioning (ZTP) reduces operational costs and avoids provisioning errors.

Technical specifications	HPE Aruba Networking Mobility Controller Virtual Appliances
Warranty	Software: 90 days, can be extended with support contract

SKU comparison

	HPE Aruba Networking MC-VA-10 Virtual Mobility Controller License (EG) Support for 10 AP E-LTU (Q9B91AAE)	HPE Aruba Networking MC-VA-10 Virtual Mobility Controller License (EGF1) TAA Support for 10 AP E-LTU (Q9B55AAE)	HPE Aruba Networking MC-VA-10 Virtual Mobility Controller License (IL) Support for 10 AP E-LTU (Q9B92AAE)	HPE Aruba Networking MC-VA-10 Virtual Mobility Controller License (ILF1) TAA Support for 10 AP E-LTU (Q9B56AAE)	HPE Aruba Networking MC-VA-10 Virtual Mobility Controller License (JP) Support for 10 AP E-LTU (Q9B93AAE)
Warranty	Software: 90 days, can be extended with support contract				
Differentiator	Electronic license enabling Virtual Mobility Controller with support for up to 10 access points, for use in Egypt.	Electronic license enabling Virtual Mobility Controller with support for up to 10 access points, for use in FIPS/TAA environments for Egypt	Electronic license enabling Virtual Mobility Controller with support for up to 10 access points, for use in Israel.	Electronic license enabling Virtual Mobility Controller with support for up to 10 access points, for use in FIPS/TAA environments for Israel	Electronic license enabling Virtual Mobility Controller with support for up to 10 access points, for use in Japan.

	HPE Aruba Networking MC-VA-10 Virtual Mobility Controller License (JPF1) TAA Support for 10 AP E-LTU (Q9B57AAE)	HPE Aruba Networking MC-VA-10 Virtual Mobility Controller License (RW) Support for 10 AP E-LTU (Q9B94AAE)	HPE Aruba Networking MC-VA-10 Virtual Mobility Controller License (RWF1) TAA Support for 10 AP E-LTU (Q9B58AAE)	HPE Aruba Networking MC-VA-10 Virtual Mobility Controller License (US) Support for 10 AP E-LTU (Q9B95AAE)	HPE Aruba Networking MC-VA-10 Virtual Mobility Controller License (USF1) TAA Support for 10 AP E-LTU (Q9B59AAE)
Warranty	Software: 90 days, can be extended with support contract				
Differentiator	Electronic license enabling Virtual Mobility Controller with support for up to 10 access points, for use in FIPS/TAA environments for Japan	Electronic license enabling Virtual Mobility Controller with support for up to 10 access points, for use in rest-of-world.	Electronic license enabling Virtual Mobility Controller with support for up to 10 access points, for use in FIPS/TAA environments for rest-of-world	Electronic license enabling Virtual Mobility Controller with support for up to 10 access points, for use in US.	Electronic license enabling Virtual Mobility Controller with support for up to 10 access points, for use in FIPS/TAA environments for US

	HPE Aruba Networking MC-VA-1K Virtual Mobility Controller License (EG) Support for 1000 APE-LTU (JY913AAE)	HPE Aruba Networking MC-VA-1K Virtual Mobility Controller License (EGF1) Support for 1000 AP E-LTU (JZ382AAE)	HPE Aruba Networking MC-VA-1K Virtual Mobility Controller License (IL) Support for 1000 AP E-LTU (JY907AAE)	HPE Aruba Networking MC-VA-1K Virtual Mobility Controller License (ILF1) Support for 1000 AP E-LTU (JZ385AAE)	HPE Aruba Networking MC-VA-1K Virtual Mobility Controller License (JP) Support for 1000 AP E-LTU (JY910AAE)
Warranty	Software: 90 days, can be extended with support contract				
Differentiator	Electronic license enabling Virtual Mobility Controller with support for up to 50 access points, for use in FIPS/TAA environments for Egypt	Electronic license enabling Virtual Mobility Controller with support for up to 1,000 access points, for use in FIPS/TAA environments for Egypt	Electronic license enabling Virtual Mobility Controller with support for up to 1,000 access points, for use in Israel.	Electronic license enabling Virtual Mobility Controller with support for up to 1,000 access points, for use in FIPS/TAA environments for Israel	Electronic license enabling Virtual Mobility Controller with support for up to 1,000 access points, for use in Japan.

	HPE Aruba Networking MC-VA-1K Virtual Mobility Controller License (JPF1) Support for 1000 AP E-LTU (JZ388AAE)	HPE Aruba Networking MC-VA-1K Virtual Mobility Controller License (RW) Support for 1000 AP E-LTU (JY901AAE)	HPE Aruba Networking MC-VA-1K Virtual Mobility Controller License (RWF1) Support for 1000 AP E-LTU (JZ391AAE)	HPE Aruba Networking MC-VA-1K Virtual Mobility Controller License (US) Support for 1000 AP E-LTU (JY904AAE)	HPE Aruba Networking MC-VA-1K Virtual Mobility Controller License (USF1) Support for 1000 AP E-LTU (JZ394AAE)
Warranty	Software: 90 days, can be extended with support contract				
Differentiator	Electronic license enabling Virtual Mobility Controller with support for up to 1,000 access points, for use in FIPS/TAA environments for Japan	Electronic license enabling Virtual Mobility Controller with support for up to 1,000 access points, for use in rest-of-world.	Electronic license enabling Virtual Mobility Controller with support for up to 1,000 access points, for use in FIPS/TAA environments for rest-of-world	Electronic license enabling Virtual Mobility Controller with support for up to 1,000 access points, for use in US.	Electronic license enabling Virtual Mobility Controller with support for up to 1,000 access points, for use in FIPS/TAA environments for US

	HPE Aruba Networking MC-VA-250 (US) Support for 250 AP Virtual Mobility Controller License E-LTU (JY903AAE)	HPE Aruba Networking MC-VA-250 (USF1) Support for 250 AP Virtual Mobility Controller License E-LTU (JZ393AAE)	HPE Aruba Networking MC-VA-250 Virtual Mobility Controller License (EG) Support for 250 AP E-LTU (JY912AAE)	HPE Aruba Networking MC-VA-250 Virtual Mobility Controller License (EGF1) Support for 250 AP E-LTU (JZ381AAE)	HPE Aruba Networking MC-VA-250 Virtual Mobility Controller License (IL) Support for 250 AP E-LTU (JY906AAE)
Warranty	Software: 90 days, can be extended with support contract				
Differentiator	Electronic license enabling Virtual Mobility Controller with support for up to 250 access points, for use in US.	Electronic license enabling Virtual Mobility Controller with support for up to 250 access points, for use in FIPS/TAA environments for US	Electronic license enabling Virtual Mobility Controller with support for up to 1,000 access points, for use in Egypt.	Electronic license enabling Virtual Mobility Controller with support for up to 250 access points, for use in FIPS/TAA environments for Egypt	Electronic license enabling Virtual Mobility Controller with support for up to 250 access points, for use in Israel.

	HPE Aruba Networking MC-VA-250 Virtual Mobility Controller License (ILF1) Support for 250 AP E-LTU (JZ384AAE)	HPE Aruba Networking MC-VA-250 Virtual Mobility Controller License (JP) Support for 250 AP E-LTU (JY909AAE)	HPE Aruba Networking MC-VA-250 Virtual Mobility Controller License (JPF1) Support for 250 AP E-LTU (JZ387AAE)	HPE Aruba Networking MC-VA-250 Virtual Mobility Controller License (RW) Support for 250 AP E-LTU (JY900AAE)	HPE Aruba Networking MC-VA-250 Virtual Mobility Controller License (RWF1) Support for 250 AP E-LTU (JZ390AAE)
Warranty	Software: 90 days, can be extended with support contract				
Differentiator	Electronic license enabling Virtual Mobility Controller with support for up to 250 access points, for use in FIPS/TAA environments for Israel	Electronic license enabling Virtual Mobility Controller with support for up to 250 access points, for use in Japan.	Electronic license enabling Virtual Mobility Controller with support for up to 250 access points, for use in FIPS/TAA environments for Japan	Electronic license enabling Virtual Mobility Controller with support for up to 250 access points, for use in rest-of-world.	Electronic license enabling Virtual Mobility Controller with support for up to 250 access points, for use in FIPS/TAA environments for rest-of-world

	HPE Aruba Networking MC-VA-50 (EG) Support for 50 AP Virtual Mobility Controller License E-LTU (JY911AAE)	HPE Aruba Networking MC-VA-50 (EGF1) Support for 50 AP Virtual Mobility Controller License E-LTU (JZ380AAE)	HPE Aruba Networking MC-VA-50 (IL) Support for upto 50 AP Virtual Mobility Controller License E-LTU (JY905AAE)	HPE Aruba Networking MC-VA-50 (ILF1) Support for 50 AP Virtual Mobility Controller License E-LTU (JZ383AAE)	HPE Aruba Networking MC-VA-50 (JP) Support for 50 AP Virtual Mobility Controller License E-LTU (JY908AAE)
Warranty	Software: 90 days, can be extended with support contract				
Differentiator	Electronic license enabling Virtual Mobility Controller with support for up to 250 access points, for use in Egypt.	Electronic license enabling Virtual Mobility Controller with support for up to 50 access points, for use in FIPS/TAA environments for Egypt	Electronic license enabling Virtual Mobility Controller with support for up to 50 access points, for use in Israel.	Electronic license enabling Virtual Mobility Controller with support for up to 50 access points, for use in FIPS/TAA environments for Israel	Electronic license enabling Virtual Mobility Controller with support for up to 50 access points, for use in Japan.

	HPE Aruba Networking MC-VA-50 (JPF1) Support for 50 AP Virtual Mobility Controller License E-LTU (JZ386AAE)	HPE Aruba Networking MC-VA-50 (RW) Support for 50 AP Virtual Mobility Controller License E-LTU (JY899AAE)	HPE Aruba Networking MC-VA-50 (RWF1) Support for 50 AP Virtual Mobility Controller License E-LTU (JZ389AAE)	HPE Aruba Networking MC-VA-50 (US) Support for 50 AP Virtual Mobility Controller License E-LTU (JY902AAE)	HPE Aruba Networking MC-VA-50 (USF1) Support for 50 AP Virtual Mobility Controller License E-LTU (JZ392AAE)
Warranty	Software: 90 days, can be extended with support contract				
Differentiator	Electronic license enabling Virtual Mobility Controller with support for up to 50 access points, for use in FIPS/TAA environments for Japan	Electronic license enabling Virtual Mobility Controller with support for up to 50 access points, for use in rest-of-world.	Electronic license enabling Virtual Mobility Controller with support for up to 50 access points, for use in FIPS/TAA environments for rest-of-world	Electronic license enabling Virtual Mobility Controller with support for up to 50 access points, for use in US.	Electronic license enabling Virtual Mobility Controller with support for up to 50 access points, for use in FIPS/TAA environments for US

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 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.

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