DATA SHEET

MOBILITY CONTROLLER VIRTUAL APPLIANCE

OVERVIEW

Work environments are transforming to digital workplaces, with billions of mobile workers using their mobile devices to access applications designed to make them more productive. Mobility and IoT – along with these business critical applications – drive increasing demand on the network. At the same time, these mobile workers expect a consistent user experience from their mobile device and applications where ever they are.

To enable an always-on network with the desired performance for high density environments, enterprises must deliver a wireless network that accommodates these requirements and yet provides them with the efficiency and flexibility of a Virtual Machine (VM) deployment to move at the speed of their business.

ArubaOS 8 provides new features and capabilities that include the introduction of the Mobility Controller Virtual Appliance (MC-VA). The MC-VA functions in a similar way to the 72xx and 7xxx Mobility Controllers by centralizing wireless network visibility and control. Deployed as a Virtual Appliance (VA), this controller provides plenty of capacity and speed for BYOD and 802.11 ac devices for both campus or branch deployment.

The other innovation in ArubaOS 8 is the Aruba Mobility Master – the next generation of master controller that is needed to configure and manage your cluster of mobility controllers, whether virtualized or appliance-based. The Mobility Controller Virtual Appliance can be deployed as standalone or managed by Mobility Master where it can support up to 100K users.

Organizations with virtualized initiatives can take advantage of the following benefits of the Mobility Controller Virtual Appliance:

Flexible deployment and ease of operation

Customers have the flexibility of deploying MC-VA as a VA benefiting from ease of operation and deployment to remote locations or the hardware appliance Mobility Controllers (72xx and 7xxx series). The VA form factor makes it easy to dynamically scale to support the needs of a rapidly growing enterprise, enabling a much more efficient use of resources by adding more CPU and storage resources. By moving to a VA-based deployment that has more memory and compute, more services can be managed on the network. MC-VA can be deployed on VMware ESXi or open source KVM hypervisor.

Cost effective solution

Customers who already have a VA environment can benefit from operational cost savings by deploying MC-VA, since it can reside with other VMs sharing the same existing virtualization infrastructure. For high availability, customers can use centralized licensing to install multiple VMs in a cluster without the need to purchase separate controllers.

Supports ArubaOS 8 features and capabilities

MC-VA runs on ArubaOS 8 and has all the innovations that are associated with this new operating system – such as an always-on network with Controller Clustering, optimized RF management with AirMatch, 3rd party integration with NBAPIs and AP multi-tenancy with MultiZone.

MC-VA also supports all Aruba's enterprise-critical capabilities like AppRF, Airgroup, advanced cryptography, IPv4 and IPv6 services, Adaptive Radio Management, ClientMatch, and RFProtect module and wireless intrusion protection. For networks with higher encryption needs, the Mobility Controller appliances scale up to 40Gbps with integrated network processors to accelerate cryptography and packet forwarding performance. For a detailed list of ArubaOS 8 features, please see the ArubaOS 8 data sheet.

ORDERING INFORMATION

Part Number	Description
JY899AAE	Aruba MC-VA-50 Mobility Controller Virtual Appliance (RW) with Support for up to 50 AP E-LTU
JY900AAE	Aruba MC-VA-250 Mobility Controller Virtual Appliance (RW) with Support for up to 250 AP E-LTU
JY901AAE	Aruba MC-VA-1K Mobility Controller Virtual Appliance (RW) with Support for up to 1000 AP E-LTU
JY902AAE	Aruba MC-VA-50 Mobility Controller Virtual Appliance (US) with Support for up to 50 AP E-LTU
JY903AAE	Aruba MC-VA-250 Mobility Controller Virtual Appliance (US) with Support for up to 250 AP E-LTU
JY904AAE	Aruba MC-VA-1K Mobility Controller Virtual Appliance (US) with Support for up to 1000 AP E-LTU
JY905AAE	Aruba MC-VA-50 Mobility Controller Virtual Appliance (IL) with Support for up to 50 AP E-LTU
JY906AAE	Aruba MC-VA-250 Mobility Controller Virtual Appliance (IL) with Support for up to 250 AP E-LTU
JY907AAE	Aruba MC-VA-1K Mobility Controller Virtual Appliance (IL) with Support for up to 1000 AP E-LTU
JY908AAE	Aruba MC-VA-50 Mobility Controller Virtual Appliance (JP) with Support for up to 50 AP E-LTU
JY909AAE	Aruba MC-VA-250 Mobility Controller Virtual Appliance (JP) with Support for up to 250 AP E-LTU
JY910AAE	Aruba MC-VA-1K Mobility Controller Virtual Appliance (JP) with Support for up to 1000 AP E-LTU
JY911AAE	Aruba MC-VA-50 Mobility Controller Virtual Appliance (EG) with Support for up to 50 AP E-LTU
JY912AAE	Aruba MC-VA-250 Mobility Controller Virtual Appliance (EG) with Support for up to 250 AP E-LTU
JY913AAE	Aruba MC-VA-1K Mobility Controller Virtual Appliance (EG) with Support for up to 1000 APE-LTU
JZ380AAE	Aruba MC-VA-50 Virtual Mobility Controller (EGF1) FIPS/TAA with Support for up to 50 AP E-LTU
JZ381AAE	Aruba MC-VA-250 Virtual Mobility Controller (EGF1) FIPS/TAA with Support for up to 250 AP E-LTU
JZ382AAE	Aruba MC-VA-1K Virtual Mobility Controller (EGF1) FIPS/TAA with Support for up to 1,000 AP E-LTU
JZ383AAE	Aruba MC-VA-50 Virtual Mobility Controller (ILF1) FIPS/TAA with Support for up to 50 AP E-LTU
JZ384AAE	Aruba MC-VA-250 Virtual Mobility Controller (ILF1) FIPS/TAA with Support for up to 250 AP E-LTU
JZ385AAE	Aruba MC-VA-1K Virtual Mobility Controller (ILF1) FIPS/TAA with Support for up to 1,000 AP E-LTU
JZ386AAE	Aruba MC-VA-50 Virtual Mobility Controller (JPF1) FIPS/TAA with Support for up to 50 AP E-LTU
JZ387AAE	Aruba MC-VA-250 Virtual Mobility Controller (JPF1) FIPS/TAA with Support for up to 250 AP E-LTU
JZ388AAE	Aruba MC-VA-1K Virtual Mobility Controller (JPF1) FIPS/TAA with Support for up to 1,000 AP E-LTU
JZ389AAE	Aruba MC-VA-50 Virtual Mobility Controller (RWF1) FIPS/TAA with Support for up to 50 AP E-LTU
JZ390AAE	Aruba MC-VA-250 Virtual Mobility Controller (RWF1) FIPS/TAA with Support for up to 250 AP E-LTU
JZ391AAE	Aruba MC-VA-1K Virtual Mobility Controller (RWF1) FIPS/TAA with Support for up to 1,000 AP E-LTU
JZ392AAE	Aruba MC-VA-50 Virtual Mobility Controller (USF1) FIPS/TAA with Support for up to 50 AP E-LTU
JZ393AAE	Aruba MC-VA-250 Virtual Mobility Controller (USF1) FIPS/TAA with Support for up to 250 AP E-LTU
JZ394AAE	Aruba MC-VA-1K Virtual Mobility Controller (USF1) FIPS/TAA with Support for up to 1,000 AP E-LTU
Q9B91AAE	Aruba MC-VA-10 (EG) Cntlr 10 AP E-LTU
Q9B92AAE	Aruba MC-VA-10 (IL) Cntlr 10 AP E-LTU
Q9B93AAE	Aruba MC-VA-10 (JP) Cntlr 10 AP E-LTU
Q9B94AAE	Aruba MC-VA-10 (RW) Cntlr 10 AP E-LTU
Q9B95AAE	Aruba MC-VA-10 (US) Cntlr 10 AP E-LTU
Q9B55AAE	Aruba MC-VA-10 (EGF1) VMC FIPS/TAA E-LTU
Q9B56AAE	Aruba MC-VA-10 (ILF1) VMC FIPS/TAA E-LTU
Q9B57AAE	Aruba MC-VA-10 (JPF1) VMC FIPS/TAA E-LTU
Q9B58AAE	Aruba MC-VA-10 (RWF1) VMC FIPS/TAA E-LTU
Q9B59AAE	Aruba MC-VA-10 (USF1) VMC FIPS/TAA E-LTU

MOBILITY CONTROLLER VIRTUAL APPLIANCE (MC-VA)				
SKU	MC-VA-10	MC-VA-50	MC-VA-250	MC-VA-1K
Maximum AP count	10	50	250	1,000
Maximum Client Count	800*	800	4,000	16,000

Note: Mobility Controller Virtual Appliance can be scaled up by installing multiple instances of MC-VA-1K.

- 4x instances of MC-VA-1K install can scale up to 4,000 APs and 64,000 clients
- 6x instances of MC-VA-1K install can scale up to 6,000 APs and 96,000 clients

*The client capacity is based on MC-VA-50 hardware specs

Check product documentation for the required VM resources to support these scales.

a Hewlett Packard Enterprise company

3333 SCOTT BLVD | SANTA CLARA, CA 95054
1.844.473.2782 | T: 1.408.227.4500 | FAX: 1.408.227.4550 | INFO@ARUBANETWORKS.COM

www.arubanetworks.com