

# ARUBA 650 BRANCH OFFICE MOBILITY CONTROLLER



The Aruba 650 branch office Mobility Controller is a compact, cost-effective all-in-one networking solution.

The 650 Mobility Controller includes a firewall, wireless LAN (WLAN) controller, eight-port Ethernet switch with PoE+, IP router, site-to-site VPN edge device, file server and print server in an attractive desktop-mount enclosure.

Aruba's centralized zero-touch configuration and management model enables the 650 Mobility Controller to be deployed, monitored and controlled without local IT assistance. Additional deployment options include remote management or local configuration via a web interface.

The 650 relies on centralized Mobility Controllers in the data center to manage complex and processor-intensive management and security functions. Edge services are virtualized and implemented in cost-effective 650 Mobility Controllers in branch offices, which move user traffic to data center controllers through secure IP tunnels over a public or private transport network.

The 650 Mobility Controller provides local wireless services when used in conjunction with any Aruba access point (AP), or it can operate as a wired-only device.

Running the ArubaOS operating system, the Aruba 650 branch office mobility controller comes standard with advanced authentication, encryption, wireless radio management and Layer 2-3 networking features.

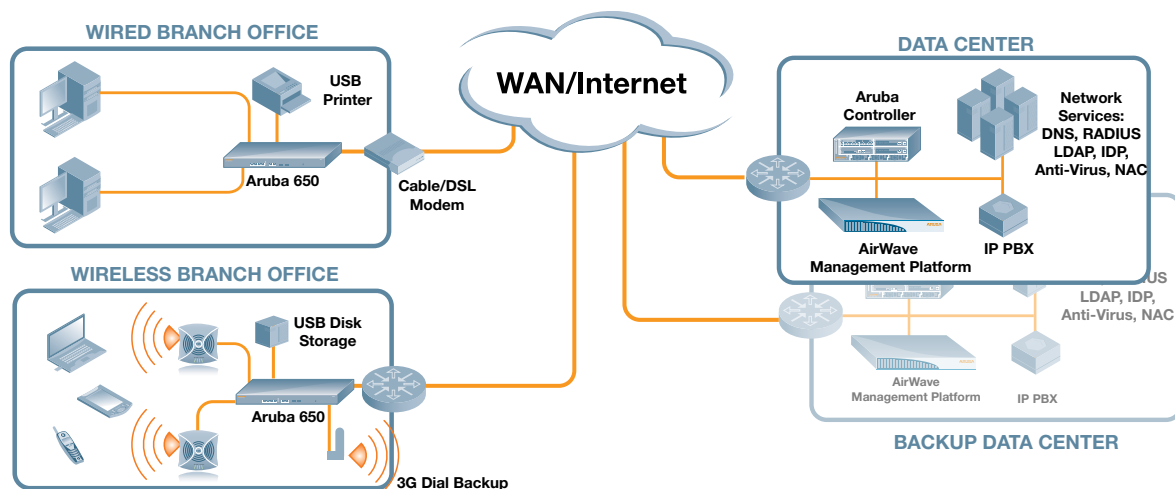
Optional ArubaOS software modules deliver additional functionality including the RFProtect Wireless Intrusion Protection and Spectrum Analyzer, Policy Enforcement Firewall (PEF), and the FIPS-compliant xSec Layer 2 protocol, which provides a unified framework to secure all wired and wireless connections using strong encryption and authentication.

## PERFORMANCE AND CAPACITY WITH ARUBAOS 6.0

- Total access points (maximum): 16
- Users (max): 512
- MAC addresses: 2,048
- VLAN IP interfaces: 128
- Number of IPv4 unicast routes: 2,048
- Active firewall sessions: 16,384
- System BSSIDs: 256
- Concurrent IPsec tunnels: 512
- Firewall throughput: 2 Gbps
- Encrypted throughput (3DES): 1.6 Gbps
- Encrypted throughput (AES-CCM): 800 Mbps

## INTERFACES

- Console (RS-232) RJ-45: 1
- Gigabit Ethernet (10/100/1000BASE-T): 2
- Gigabit Ethernet (10/100/1000BASE-T) with PoE+: 4
- Gigabit Ethernet pluggable (1000BASE-X SFP): 2
- USB 2.0: 4



**WARRANTY**

- Hardware 1 year parts/labor<sup>1</sup>
- Software 90 days<sup>1</sup>

**USB DEVICE SUPPORT**

- Maximum concurrent HSDPA/GPRS/EDGE/EVDO modems: 2
- Maximum concurrent storage media (flash): 4
- Maximum concurrent devices (all types): 4

**POWER SPECIFICATIONS**

- AC input voltage: 100-240 V, universal input
- AC input frequency: 50-60 Hz
- Maximum power consumption: 126 watts
- Power-over-Ethernet total capacity: 78 watts
- Power-over-Ethernet capacity per port: 19.5 watts

**COMPATIBLE USB MODEMS**

The following is a partial list of tested and fully supported USB modems. Some modems not on this list may be fully supported with factory-default configuration, while others may require controller configuration in order to function. An updated list can be found at <http://www.arubanetworks.com/products/usb-devices/>.

- Novatel U727
- Kyocera KPC680
- Compass 597
- USBConnect Quicksilver
- USBConnect Mercury

**COMPATIBLE USB STORAGE**

The following is a partial list of tested and fully supported USB storage devices. An updated list can be found at <http://www.arubanetworks.com/products/usb-devices/>.

- Kingston DataTraveler 100 USB flash drive (2/4/8G)
- SanDisk Cruzer Micro USB flash drive (2/8G)

**OPERATING SPECIFICATIONS AND DIMENSIONS**

- Operating temperature range: 0° C to 40° C (32° F to 104° F)
- Storage temperature range: 0° C to 50° C (32° F to 122° F)
- Humidity, non-condensing: 5% to 95%
- Height: 1.5" (38 mm)
- Width: 13.6" (346 mm)
- Depth: 8.9" (226 mm)
- Weight: 4.9 lbs/2.2 kgs (unboxed)

**REGULATORY AND SAFETY COMPLIANCE (ARUBA 650)**

- FCC Part 15 Class B
- EN 55022 Class B
- EN 55024
- IEC/EN 60950
- CE Marking
- cTUVus Marked
- CB Scheme Certified

**ORDERING INFORMATION**

Part Number	Description
650	Aruba 650 Branch Office Controller, 0 AP Support, Unrestricted Regulatory Domain
650-US	Aruba 650 Branch Office Controller, 0 AP Support, Restricted Regulatory Domain - US
650-IL	Aruba 650 Branch Office Controller, 0 AP Support, Restricted Regulatory Domain - IL
650-8	Aruba 650 Branch Office Controller, 8 AP Support, Unrestricted Regulatory Domain
650-8-US	Aruba 650 Branch Office Controller, 8 AP Support, Restricted Regulatory Domain - US
650-8-IL	Aruba 650 Branch Office Controller, 8 AP Support, Restricted Regulatory Domain - IL
Pluggable Modules	
SFP-TX	Aruba SFP - 1000BASE-T, RJ-45
SFP-SX	Aruba SFP - 1000BASE-SX, LC Connector
SFP-LX	Aruba SFP - 1000BASE-LX, LC Connector

<sup>1</sup> Extended with support contract



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