



Aruba 800 Mobility Controller

Designed for branch office applications, the Aruba 800 mobility controller supports up to 16 APs and hundreds of simultaneous users. The Aruba 800 comes equipped with eight 10/100 Mbps Ethernet

ports and one Gigabit Ethernet (GBIC) uplink. An integrated hardware-accelerated encryption provides high-speed performance enabling the Aruba 800 to deliver up to 200 Mbps of encrypted throughput.

Performance & Capacity

Rack mountable	1U
Configuration	Fixed
10/100 ports	8
Power-over-Ethernet	Yes
Serial-over-Ethernet	Yes
GBIC uplink ports	1
Wired L2/L3 switch operation	Yes
Hardware-accelerated encryption	Yes
RS-232 serial console (RJ-45)	Yes
Out-of-band Ethernet management port	No
Maximum users per switch	256
Max APs per switch	16
Encrypted traffic (3DES) throughput	200 Mbps
Switch throughput	1 Gbps

Fault Tolerance

VRRP for switch failover	Yes
Automatic AP re-homing	Yes
Redundant power supply	No
Redundant fan	No
Redundant supervisor module	No
Multiple uplinks with redundancy	Yes (use any switch port)

802.11 Transport, Authentication & Encryption

802.11 communications standards	a, b & g
802.1x	Yes
Encryption types	WEP, dynamic WEP, TKIP WPA, WPA-2, 802.11i, DES, 3DES, AES-CCMP, AES-CBC, EAP, PEAP, TLS, TTLS, LEAP, EAP-FAST, xSec-L2 AES
MAC address authentication	Yes
Upgradable to new encryption mechanisms	Yes
Wi-Fi Certified	Yes

RF Management and Control

Adaptive Radio Resource Management (ARM)	Yes
Voice-aware scanning	Yes
Multiple ESSIDs per AP	Up to 16
3-Dimensional RF site survey	Yes
Automatic AP calibration	Distributed & Centralized
Self-healing around failed APs	Yes
Load balancing — number of users	Yes
Load balancing — utilization-based	Yes
Coverage hole & interference detection	Yes
Wireless RMON/packet capture	Yes
Plug-ins for third-party analysis tools	Ethereal, Airoppeek
Timer-based AP access control	Yes

Mobility

Fast roaming	2–3 msec intra-switch, 10–15 msec inter-switch
Intersubnet roaming	Yes
Mobile IP support	Yes
Proxy Mobile IP	Yes
Proxy DHCP	Yes

VPN & Firewall

Concurrent IPsec tunnels	256
Stateful firewall policies (per-user & per-port)	16,000
VPN termination	IPsec, PPTP, XAUTH, xSec (Client-Server and Point-to-Point)
VPN dialer	Yes
Customizable Captive Portal	Yes
External Captive Portal	Yes
Network address translation	Yes
ACLs	Standard & Extended

User Management

Per-user or per-role assignments	Firewall Policies, Bandwidth Contracts, Session Prioritization, VLAN Assignment
Role derivation	Based on Authentication, ESSID, Encryption, OUI
Location-based access control	Yes

Quality of Service

Bandwidth contracts	Yes—per-user & per-role
Application-aware traffic classification and prioritization	Yes
802.1p support	Yes
DiffServ Control Protocol Support (DSCP tagging)	Yes

VoIP Support

Voice-aware RF monitoring/scanning	Yes—session-based
Stateful voice-session prioritization	SCP, SIP, Skinny, Vocera

Authentication Services

Local RADIUS	Yes
Third-party AAA server interoperability	Microsoft Active Directory, Microsoft IAS Radius Server, Cisco ACS Radius Server, Funk Steel Belted Radius Server, RSA ACEserver, Infoblox, Interlink Radius Server
LDAP/SSL Secure LDAP	Yes

Wireless LAN Intrusion Detection

Voice-aware scanning	Yes
Multi-band scanning (single radio, all band)	Yes
Works with third-party WLANs	Yes
Rogue AP detection and destruction	Yes
Denial of Service attack detection and protection	Authentication & Deauthentication floods, Probe request flood, Fake AP flood
Man-in-the-Middle attack detection and protection	Sequence Number, EAP rate, Station Disconnect analysis
Station and AP classification	Yes
Station blacklisting	Manual, Authentication Failure based, Man-in-the-Middle attack based
Rogue or valid AP classification based on customer database of MAC addresses	Yes—MS-SQL or MySQL
AP misconfiguration protection	Yes
Station and AP impersonation	Yes
Bad/weak WEP keys & initialization vectors	Yes
Ad-hoc network detection & prevention	Yes
Unauthorized NIC types (OUI)	Yes
Signature analysis	Yes
Upgradable to support new signatures and attacks	Yes
Multi-tenant policies	Yes
Wireless bridge detection	Yes

Network & System Management

Web-based UI	Yes
Command Line	Console, telnet, SSH
Syslog	Yes
SNMP v2c	Yes
Aruba private MIB	Yes
MIB-II	Yes
Centralized configuration of local Wi-Fi Muxes	4
Centralized configuration of local Wi-Fi Switches	16
Centralized image upgrade for Wi-Fi switch and all APs	Yes

Third-party Security Services Integration

Anti-virus service integration and user quarantine	Yes—Fortinet
Remediation integration and user quarantine	Yes—Sygate
Server load-balancing for external servers/ server groups	Yes

Standards Supported

IEEE 802.1x
IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-T
IEEE 802.1Q
IEEE 802.3af
IEEE 802.11a/b/g
IEEE 802.11d
IEEE 802.11i (draft version)

Power

Power consumption	200 Watts
AC Input voltage	100–127VAC, 200–240VAC
Input frequency	47-63 Hz

Environmental

Operating temperature range	0° to 40° C
Storage temperature range	10° to 70° C
Humidity, non-condensing	5 to 95%

Physical Dimensions

Height	1.75" (44.5 mm)
Width	17.4" (444 mm)
Depth	13" (330 mm)
Weight	10 lbs. (unboxed)

Regulatory

FCC part 15 Class A CE
 Industry Canada Class A
 VCCI Class A (Japan)
 EN 55022 Class A (CISPR 22 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

Safety

UL 60950
 CAN/CSA 22.2 #60950

Warranty

90 days parts/labor*



*Extended with support contract