



ARUBA 800 CONTROLLER

The Aruba 800 Controller is a full-featured wireless LAN controller that aggregates up to 16 access points (APs) and delivers centralized control and security for wireless deployments. The Aruba 800 delivers solid performance and military-grade encryption through dedicated control, network and encryption processors.



Intended for small branch office wireless deployments, the Aruba 800 is easily installed without disrupting the existing wired network. The Aruba 800 acts as the head-end portion of Aruba's virtual enterprise network architecture, which uses central controllers in the data center to manage complex and processing-intensive management and security functions. Edge services are virtualized and implemented in cost-effective APs at the network edge, which move user traffic to data center controllers through secure IP tunnels over a public or private transport network. Running the ArubaOS operating system, the Aruba 800 comes standard with advanced authentication, encryption, wireless radio management, secure enterprise wireless mesh and L2/L3 networking features. Optional ArubaOS software modules deliver additional functionality, including policy enforcement firewall, VPN server, remote access gateway and wireless intrusion prevention.

Controller clustering and centralized management allow large enterprise networks with hundreds of controllers to be managed and maintained with minimal staff overhead. A designated master controller can manage multiple local controllers, or for larger networks the AirWave Management Platform provides unprecedented visibility and control for the IT staff.

PERFORMANCE AND CAPACITY WITH ARUBAOS 5.0

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|---|----------|
| LAN-connected access points | 16 |
| Remote Access Points | 16 |
| Users | 256 |
| MAC addresses | 4,096 |
| VLAN IP interfaces | 128 |
| Number of IPv4 unicast routes | 2,048 |
| Active firewall sessions | 64,000 |
| System BSSIDs | 128 |
| Concurrent IPSec tunnels | 256 |
| Firewall throughput | 1 Gbps |
| Encrypted throughput (3DES and AES-CCM) | 200 Mbps |

INTERFACES

Console (RS-232) RJ-45
8x Fast Ethernet (100Base-T) with serial/power over Ethernet
1x Gigabit Ethernet (10/100/1000Base-T or 1000Base-SX)

POWER SPECIFICATIONS

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|------------------------------------|-------------------------|
| Maximum power consumption | 200 watts |
| AC input voltage | 90-132 VAC, 180-264 VAC |
| AC input frequency | 47-63 Hz |
| Power over Ethernet total capacity | 125 watts |

OPERATING SPECIFICATIONS AND DIMENSIONS

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|-----------------------------|-------------------|
| Operating temperature range | 0° to 40° C |
| Storage temperature range | -40° to 70° C |
| Humidity, non-condensing | 5 to 95% |
| Height | 1.75" (44.5 mm) |
| Width | 17.4" (444 mm) |
| Depth | 13" (330 mm) |
| Weight | 10 lbs. (unboxed) |

WARRANTY

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|----------|---------------------|
| Hardware | 1 year parts/labor* |
| Software | 90 days* |

* Extended with support contract

REGULATORY AND SAFETY COMPLIANCE

- 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
- UL 60950, EN60950
- CAN/CSA 22.2 #60950
- CE mark, cTUVus, GS, CB, C-tick, Anatel, NOM, MIC, IQC

ARUBA 800 CONTROLLER

ORDERING INFORMATION - HARDWARE

| PART NUMBER | DESCRIPTION |
|--------------|---|
| 800-16-TX | A800-16 Controller - SPOE, 1000Base-T GigE , 16 AP Support, Unrestricted Regulatory Domain |
| 800-16-TX-US | A800-16 Controller - SPOE, 1000Base-T GigE , 16 AP Support, Restricted Regulatory Domain - US |
| 800-16-TX-IL | A800-16 Controller - SPOE, 1000Base-T GigE , 16 AP Support, Restricted Regulatory Domain - IL |
| 800-16-SX | A800-16 Controller - SPOE, 1000Base-SX GigE, 16 AP Support, Unrestricted Regulatory Domain |
| 800-16-SX-US | A800-16 Controller - SPOE, 1000Base-SX GigE, 16 AP Support, Restricted Regulatory Domain - US |
| 800-16-SX-IL | A800-16 Controller - SPOE, 1000Base-SX GigE, 16 AP Support, Restricted Regulatory Domain - IL |

ORDERING INFORMATION - SOFTWARE

PART NUMBER DESCRIPTION

Aruba 800 Software Licenses

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|-------------|--|
| LIC-800-SEC | Security Software Bundle for A800-16 (16 AP License) |
| LIC-800-PEF | Policy Enforcement Firewall Module for A800-16 (16 AP License) |
| LIC-800-WIP | Wireless Intrusion Protection Module for A800-16 (16 AP License) |
| LIC-800-XSC | xSec Module for A800-16 (16 AP License) |



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