ARUBA 7200 SERIES MOBILITY CONTROLLERS

The Aruba 7200 series Mobility Controller is the next-generation networking platform, optimized for mobile application delivery to ensure the best mobility experience over Wi-Fi.

With a new central processor that employs eight cores with four threads each, it's like having a total of 32 virtual CPUs. As a result, the 7200 series supports 32,000 mobile devices and performs stateful firewall policy enforcement at 40 Gbps – plenty of capacity and speed for BYOD and 802.11ac devices.

New levels of visibility are provided by Aruba's unique AppRF technology, which runs on 7200 series Mobility Controllers. With AppRF, IT can see applications by user, including top web-based applications like Facebook and Box.

The 7200 series also manages authentication, encryption, VPN connections, IPv4 and IPv6 Layer 3 services, the Aruba Policy Enforcement Firewall™, Aruba Adaptive Radio Management™, and Aruba RFProtect™ spectrum analysis and wireless intrusion protection.

Clustering and centralized management enable the deployment of large networks with hundreds of Mobility Controllers with minimal staff. A master Mobility Controller can manage local Mobility Controllers, while Aruba AirWave™ network management provides enterprise-wide clarity and control through real-time monitoring, historical reporting and troubleshooting.

ARCHITECTED FOR HIGH AVAILABILITY

The 7200 series includes a number of features that make it ideal for deployment in customer locations that require maximum availability:

- Redundant power supplies: The 7200 series supports dual, field-replaceable redundant power supplies to maintain uninterrupted network operations.
- Hot-swappable fan tray with multiple fans: The 7200 series includes a field-replaceable fan tray with multiple fans, providing sufficient cooling and rapid time to repair.
- Solid state drives for maximum reliability and uptime.
- Two dual-media ports: 1000BASE-X or 10/100/1000BASE-T connections for high availability.

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PERFORMANCE AND CAPACITY			
Feature	**7210**	**7220**	**7240**
Maximum APs (licenses)	512	1,024	2,048
Maximum RAPs	512	1,024	2,048
Maximum concurrent devices	16,384	24,576	32,768
VLANs	4,094	4,094	4,094
Concurrent GRE Tunnels (System BSSIDs)	8,192	16,384	32,768
Concurrent Tunneled Ports	8,192	12,288	16,384
Concurrent IPSec Sessions	16,384	24,576	32,768
Concurrent SSL Fallback Sessions	8,192	8,192	8,192
Active Firewall Sessions (Concurrent sessions)	2,015,291	2,015,291	2,015,291
Wired Throughput (large packets)	20 Gbps	40 Gbps	40 Gbps

ARUBA
n e t w o r k s

SPECIFICATIONS

Interfaces and indicators

- Four 10GBASE-X (SFP+) ports
- Two dual-media ports (1000BASE-X or 10/100/1000BASE-T)
- One USB 2.0
- Console (RS-232) RJ-45 or mini-USB
- LINK/ACT and status LEDs
- Management/status LEDs
- LCD panel and navigation buttons
- Expansion slot (reserved for future use)

Dimensions

- (H) 4.4 cm x (W) 44.5 cm x (D) 44.5 cm (1.75" x 17.5" x 17.5")
- Weight (with one AC power supply installed) 7.45 kg (16.43 lbs)

Environmental

- Operating temperature range: 0° C to 40° C
- Operating humidity: 5% to 95% non-condensing
- Storage temperature range: -40° C to 70° C
- Storage humidity: 5% to 95%, non-condensing
- Operating altitude: 10,000 feet
- Acoustic noise[2] (with AC power supply):
    - 7210: 46.9 dBA
    - 7220: 46.9 dBA
    - 7240: 54.7 dBA

[2]Sound power per ETSI 300 753 in accordance with ISO 7779

Power Supply Specifications

- 350-watt AC power supply
    - AC input voltage: 100 VAC to 240 VAC
    - AC input current: 5-2.5A
    - AC input frequency: 50-60 Hz
    - Weight: 2.8 lbs (1.3 kg)
- Maximum power consumption
    - 7210: 110 watts
    - 7220: 125 watts
    - 7240: 165 watts

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, CB, C-tick, Anatel, NOM, MIC

Regulatory SKU Information

- 7210: ARCN0100
- 7210-US: ARCN0100
- 7220: ARCN0101
- 7220-US: ARCN0101
- 7240: ARCN0102
- 7240-US: ARCN0102

WARRANTY

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

* Extended with support contract

ORDERING INFORMATION

Part Number	Description
7200 Series Controllers	
7210	Aruba 7210, four 10GBASE-X (SFP+), one 350 watt AC power supply, unrestricted regulatory domain. These products are considered rest-of-world products and must not be deployed in the United States or Israel
7210-IL	Aruba 7210, four 10GBASE-X (SFP+), one 350 watt AC power supply, restricted regulatory domain – IL
7210-US	Aruba 7210, four 10GBASE-X (SFP+), one 350 watt AC power supply, restricted regulatory domain – US
7220	Aruba 7220, four 10GBASE-X (SFP+), one 350 watt AC power supply, unrestricted regulatory domain. These products are considered rest-of-world products and must not be deployed in the United States or Israel
7220-IL	Aruba 7220, four 10GBASE-X (SFP+), one 350 watt AC power supply, restricted regulatory domain – IL
7220-US	Aruba 7220, four 10GBASE-X (SFP+), one 350 watt AC power supply, restricted regulatory domain – US
7240	Aruba 7240, four 10GBASE-X (SFP+), one 350 watt AC power supply, unrestricted regulatory domain. These products are considered rest-of-world products and must not be deployed in the United States or Israel
7240-IL	Aruba 7240, four 10GBASE-X (SFP+), one 350 watt AC power supply, restricted regulatory domain – IL
7240-US	Aruba 7240, four 10GBASE-X (SFP+), one 350 watt AC power supply, restricted regulatory domain – US
7200 Series Controllers Accessories	
PSU-350-AC	Aruba S3500 and 7200 series 350-watt AC power supply
HW-7200-FT	Aruba 7200 series fan tray
PSU-PWBLNK	Aruba S3500 and 7200 series power supply blank panel
SPR-ESBLNK	Aruba 7200 series expansion slot blank panel
DAC-SFP-10GE-50CM	50-cm direct attach cable; 10G SFP+ (stacking and passive optics)
DAC-SFP-10GE-1M	1-meter direct attach cable; 10G SFP+ (stacking and passive optics)
DAC-SFP-10GE-3M	3-meter direct attach cable; 10G SFP+ (stacking and passive optics)
DAC-SFP-10GE-5M	5-meter direct attach cable; 10G SFP+ (stacking and passive optics)
DAC-SFP-10GE-7M	5-meter direct attach cable; 10G SFP+ (stacking and passive optics)
SFP-10GE-SR	Aruba SFP+ 10GBASE-SR 850-nm serial pluggable SPF+ optic (LC), target range 300 meters over MMF, LC connector
SFP-10GE-LRM	Aruba SFP+ 10BASE-LRM 1310-nm serial pluggable SFP+ optic (LC) target range 300 meters over MMF, LC connector
SFP-10GE-LR	Aruba SFP+ 10GBASE-LR 1310-nm serial pluggable SFP+ optic (LC) for up to 10 km over SMF, LC connector
SFP-LX	Aruba SFP – 1000BASE-LX, LC connector
SFP-SX	Aruba SFP – 1000BASE-SX, LC connector
SFP-TX	Aruba SFP – 1000BASE-T, RJ-45
SPR-RK-MNT	7200 series or S3500 spare two-post rack-mount kit. Used to front-mount or mid-mount the 7200 series or S3500 to a 19" rack. May also be used to front-mount (only) the S2500 to a 19" rack.
SPR-4RK-MNT	7200 series or S3500 four-post 19" rack-mount kit. Used for mounting the 7200 series or S3500 in cabinets.
SPR-WL-MNT	7200 series or S3500 wall-mount kit. Used to mount the 7200 series or S3500 to a wall.

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