



Dell Networking W-Series

W-7200 Mobility Controller

The Dell Networking W-7200 mobility controller is optimized for campuses needing high-capacity WLAN for users, devices and application delivery to ensure the best mobility experience.

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 W-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 Dell W-Series unique AppRF technology, which runs on W-7200 Series mobility controllers. With AppRF, IT can see applications by user, including top web-based applications like Facebook and Box.

The W-7200 Series also manages authentication, encryption, VPN connections, IPv4 and IPv6 Layer 3 services, Policy Enforcement Firewall™, Adaptive Radio Management™, and 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 W-AirWave network management provides enterprise-wide clarity and control through real-time monitoring, historical reporting and troubleshooting.

Architected for high availability

The W-7200 Series includes a number of features that make it ideal for deployment in customer locations that require maximum availability.

- Redundant power supplies: The W-7200 Series supports dual, field replaceable redundant power supplies to maintain uninterrupted network operations.
- Hot-swappable fan tray with multiple fans: The W-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.

Performance and Capacity

| Features by model | W-7210 | W-7220 | W-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 |

Specifications: W-7200 Series Mobility Controllers

Dell Part Number & Description

W-7210

Dell W-7210, 4x 10GBBase-X (SFP+), 1x350W AC PS, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel

W-7210-US

Dell W-7210, 4x 10GBBase-X (SFP+), 1x350W AC PS, Restricted regulatory domain: US

W-7220

Dell W-7220, 4x 10GBBase-X (SFP+), 1x350W AC PS, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel

W-7220-US

Dell W-7220, 4x 10GBBase-X (SFP+), 1x350W AC PS, Restricted regulatory domain: US

W-7240

Dell W-7240, 4x 10GBBase-X (SFP+), 1x350W AC PS, Unrestricted Regulatory Domain. These products should be considered as 'Rest of World' products and MUST NOT be used for deployments in the United States or Israel

W-7240-US

Dell W-7240, 4x 10GBBase-X (SFP+), 1x350W AC PS, Restricted regulatory domain: US

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 noise² (with AC power supply):
7210: 46.9 dBA
7220: 46.9 dBA
7240: 54.7 dBA
²Sound 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

Warranty

Hardware: 1 year parts/labor*
Software: 90 days*
* Extended with support contract

Software

Dell W-Series ArubaOS™ 6.2 and later

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*Select Dell Networking products carry an Extended Life Warranty with Basic Hardware Service. Warranty covers repair or replacement of the product for as long as it remains in use by the customer. In the event of discontinuance of product manufacture, Dell Extended Life Warranty extends until five (5) years after end of product model sales. Warranty limits any power supply, antennae or accessories to one (1) year from date of purchase. Warranty does not include troubleshooting, configuration, or other advanced service provided by Dell ProSupport. The Extended Life Limited Hardware Warranty is not transferrable. For more information see dell.com/warranty.

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