



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 webbased 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+ 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

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: 46.0 dR() 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-wat 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 wate 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

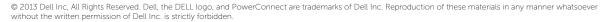
Hardware: 1 year parts/labor* Software: 90 days* * Extended with support contract

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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