

Dell PowerConnect W-3000 Controller Series

The Dell PowerConnect W-3000 Controller Series is a family of three full-featured controllers that addresses a wide range of wireless and wired network mobility, security and remote networking requirements for medium and large regional offices.

The W-3000 Series is easily installed without disrupting the existing wired network and supports up to 8,192 users and performs stateful firewall policy enforcement at speeds up to 4 Gbps.

The W-3000 Series acts as the head-end portion of Dell's wireless LAN architecture, which uses centralized controllers in the data center to manage complex and processing-intensive management and security functions. Edge services are virtualized and implemented in cost-effective PowerConnect W-Series access points (APs) at the network edge, which move user traffic to data center controllers through secure IP tunnels over a public or private transport network.

Powered by W-Series OS Controller Software, the W-3000 Series comes standard with advanced authentication, encryption, wireless radio management, secure enterprise wireless mesh and Layer 2/Layer 3 networking features. Optional software modules deliver additional functionality, including Policy Enforcement Firewall (PEF), Wireless Intrusion Prevention (WIP) and advanced cryptography module.

Controller clustering and centralized management allow large enterprise networks with multiple controllers to be managed and maintained with minimal staff overhead. A designated master controller can manage multiple local controllers while the W-Series AirWave Wireless Management Suite (AWMS) provides unprecedented control for the IT staff through real-time monitoring, historical reporting and troubleshooting.

Scalable, easy to deploy wireless controller with centralized management for enterprise mobility. Supports up to 128 access points.

Specifications

Controller performance and capacity

Feature	3200	3400	3600
LAN-connected APs (max)[1]	32	64	128
Remote Access Points	128	256	512
Users (max)[2]	2,048	4,096	8,192
MAC addresses	64,000	64,000	64,000
Active firewall sessions	128,000	128,000	128,000
Concurrent IPSec tunnels	2,048	4,096	4,096
Firewall throughput	3 Gbps	4 Gbps	4 Gbps
LAN-connected APs (max)[1]	32	64	128
Remote Access Points (max)[1]	128	256	512
Wired Access Points (max)[1]	8	16	32
Users (max)[2]	2,048	4,096	8,192
MAC addresses	64,000	64,000	64,000
VLAN IP interfaces	128	256	512
Number of IPv4 unicast routes	2,048	2,048	2,048
Active firewall sessions	128,000	128,000	128,000
Concurrent IPSec tunnels (max)	2048	4096	4096
System BSSIDs	512	4096	8192
Firewall throughput	3 Gbps	4 Gbps	4 Gbps
Encrypted throughput (3DES, AESCB256)	1.6 Gbps	4 Gbps	8 Gbps
Encrypted throughput (AES-CCM)	0.8 Gbps	2 Gbps	4 Gbps

[1]Capacity determined by AP, PEF, and WIP software licenses
[2]Capacity determined by PEF software licenses

Interfaces

Dual-personality ports:

- 4x Gigabit Ethernet (10/100/1000BASE-T or 1000BASE-X SFP)
- Console (RS-232) RJ-45

Power specifications

W-3200:

- AC input voltage: 90-264 V, Universal Input
- AC input current: 1.5 A
- AC input frequency: 47-63 Hz
- Maximum power consumption: 35 watts

W-3400:

- AC input voltage: 90-264 V, Universal Input
- AC input current : 2.2 A
- AC input frequency: 47-63 Hz
- Maximum power consumption: 45 watts

W-3600:

- AC input voltage: 90-264 V, Universal Input
- AC input current : 2.2 A
- AC input frequency: 47-63 Hz
- Maximum power consumption: 60 watts

Mechanical

- 44 mm x 351 mm x 297 mm (1.75" x 13.8" x 11.7")
- Weight (W-3200): 3.2 kgs (7.1 lbs)
- Weight (W-3400/W-3600): 3.4 kgs (7.4 lbs)

Regulatory and safety compliance

- FCC Part 15 Class B
- EN 55022 Class B
- EN 55024
- IEC/EN 60950
- CE Marking
- cTUVus Marked
- CB Scheme Certified

For a complete list of Country Specific Regulations please speak with your Dell Representative.

Environmental

- Operating:
  - Temp: 0° to 40° C (32° to 104° F)
  - Humidity: 5 to 95% non-condensing
- Storage:
  - Temp: -40° to 70° C (-40° to 158° F)

Warranty

- Hardware: One year
- Software: One year

Minimum OS version

- 5.0.2.0

Certifications/regulatory

- FIPS/TAA certified SKU available

Ordering information	
Part number	Description
W-3200 W-3400 W-3600	Dell PowerConnect W-3000 Series Branch Office Controller, Unrestricted Regulatory Domain
W-3200-US W-3400-US W-3600-US	Dell PowerConnect W-3000 Series-US Branch Office Controller, Restricted Regulatory Domain – US
W-3200-F1 W-3400-F1 W-3600-F1	Dell PowerConnect W-3000 Series Branch Office Controller, Unrestricted Regulatory Domain, FIPS/TAA Compliant
W-3200-US-F1 W-3400-US-F1 W-3600-US-F1	Dell PowerConnect W-3000 Series-US Branch Office Controller, Restricted Regulatory Domain – US. FIPS/TAA Compliant
SFP-TX	W-SFP-1000Base-T, RJ45
SFP-SX	W- SFP - 1000Base-SX, LC connector
SFP-LX	W-SFP – 1000Base-LX, LC connector

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