Dell PowerConnect W-600 Controller Series

The Dell PowerConnect W-600 Small Business and Branch Office Controller Series – the W-620 and W-650 – are a compact, cost-effective all-in-one networking solution.

The W-600 Controllers and access points complement Dell's existing PowerConnect portfolio of networking solutions, and securely and efficiently extend wired network capabilities to the mobile workforce.

Each W-600 Controller includes a firewall, wireless LAN controller, multiport Ethernet switch with 802.3at Power over Ethernet (PoE+), IP router, site-to-site VPN edge device, file server and print server in an attractive desktop-mount enclosure.

Dell's centralized configuration and management model enables the W-600 Controllers to be deployed, monitored and controlled without any local IT staff. Deployment options include zero-touch remote management or local configuration via a web interface.

The W-600 Controllers are an integral part of Dell's wireless LAN solution, which uses central controllers to manage complex and processing-intensive management and security functions. Edge services are virtualized and implemented in edge devices like the W-600 Controllers or APs, which move user traffic to data center controllers through secure IP tunnels over a public or private transport network.

The W-620 and W-650 provide local wireless services when used in conjunction with any Dell PowerConnect W-AP or it can operate as a wired-only device. The W-600 Controllers also include print server and network-attached storage capabilities to enable local network printing and mass storage.

Powered by W-Series OS Controller Software, the W-600 Controllers come standard with advanced authentication, encryption, wireless radio management and Layer2/Layer3 networking features. Optional software modules deliver additional functionality, including Policy Enforcement Firewall, Wireless Intrusion Prevention (WIP) and advanced cryptography module.

Easy to deploy wireless controller with centralized management for Small Business and Branch Office mobility. Supports up to 16 access points.

Specifications

Controller performance and capacity

Feature	W-620	W-650
LAN-connected APs (max)[1]	8	16
Remote Access Points	32	64
Users (max)[2]	256	512
MAC addresses	2,048	2,048
Active firewall sessions	8,192	16,384
Concurrent IPSec tunnels	256	512
Firewall throughput	800 Mbps	2 Gbps

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

Interfaces

- W-620:
    - 4 x 10/100BASE-T
    - 4 x 10/100BASE-T with PoE+
    - 1x 10/100/1000BASE-T
    - Console (RS-232) RJ-45
    - 1x ExpressCard slot
    - 1x USB 2.0 port

- W-650
    - 2 x 10/100/1000BASE-T
    - 4 x 10/100BASE-T with PoE+
    - 2x 1000BASE-X (SFP)
    - Console (RS-232) RJ-45
    - 1x ExpressCard slot
    - 4x USB 2.0 port

Power specifications

W-620 and W-650

- AC input voltage: 100-240 V, universal input
- AC input frequency: 50-60 Hz
- W-620: Maximum power consumption: 115 watts
- W-650: Maximum power consumption: 126 watts
- Power-over-Ethernet total capacity: 78 watts
- Power-over-Ethernet capacity per port: 19.5 watts

Warranty

- Hardware: One year
- Software: One year

Mechanical

- W-620
    - Height : Width :Depth= 45 mm x 320 mm x 173 mm (1.75" x 12.6" x 6.8")
    - Weight: 1.23 kgs (2.71 lbs)

- W-650:
    - Height :Width :Depth= 38 mm x 346 mm x 226 mm (1.5" x 13.6" x 8.9")
    - Weight: 2.2 kgs (4.9 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: 0° to 50° C (32° to 122° F)

Warranty

- Hardware: One year
- Software: One year

Minimum OS version

- 5.0.2.0

Certifications/regulatory

- FIPS/TAA certified SKU available

Product meets EMC, safety and wireless standards of over 50 countries inclusive of; USA (FCC), Canada, EU, Japan, Korea, China. For more country-specific regulatory information, and approvals, please see your Dell representative.

Ordering information	
Part number	Description
W-620 W-650	Dell PowerConnect W-600 Series Branch Office Controller, Unrestricted Regulatory Domain
W-620-US W-650-US	Dell PowerConnect W-600 Series-US Branch Office Controller, Restricted Regulatory Domain – US
W-620-F1 W-650-F1	Dell PowerConnect W-600 Series Branch Office Controller, Unrestricted Regulatory Domain, FIPS/TAA Compliant
W-620-USF1 W-650-USF1	Dell PowerConnect W-600 Series-US Branch Office Controller, Restricted Regulatory Domain – US. FIPS/TAA Compliant
W-620-MNT-DESK	Dell PowerConnect W-620 Branch Office Controller, desk stand kit
W-620-MNT-19	Dell PowerConnect W-620 Branch Office Controller, 10" rack mounting kit

Learn more at Dell.com/Wireless