



Dell PowerConnect W-AP68 Access Point

The Dell™ PowerConnect™ W-Series multifunction AP-68 is a low-cost 802.11n access point (AP) designed for small, very low-density deployment areas in offices, hospitals, schools and retail stores. This compact non-MIMO AP delivers wire-like performance at data rates up to 150 Mbps. The AP-68 features one 2.4-GHz 1x1 11n radio with two internal antennas.

As an 802.11n AP, the W-AP68 works with the complete portfolio of Dell's PowerConnect W-Series centralized Mobility Controllers. 802.11n enables the use of wireless as a primary connection with speed and reliability comparable to a wired LAN. It also increases performance by utilizing techniques such as channel bonding and block acknowledgement. Advanced antenna technology also increases range and reliability.

A key to ensuring wire-like performance and reliability is Dell's unique Adaptive Radio Management, which helps maximize client performance and ensures that APs stay clear of interference.

The multifunction AP-68 can be configured through the Dell's PowerConnect W-series Mobility Controllers to provide WLAN access with part-time air monitoring, dedicated air monitoring for wireless IPS, Remote AP (RAP) functionality or secure enterprise mesh. The AP-68 feature a 10/100BASE-T Ethernet interface and can operate from standard 802.3af Power-over-Ethernet (PoE) sources or a 12-volt DC power supply.

Entry-level indoor 802.11n single-radio, single-band (2.4 GHz) AP for small, very low-density deployment areas in offices, hospitals, schools and retail stores.

Specifications	
Operating modes	802.11b/g/n Access Point (AP) Air Monitor (AM) Remote AP (RAP) Secure enterprise mesh
Radios	Software-configurable Single radio capable of supporting 2.4 GHz operation 802.11n capable, providing up to 150Mbps data rate
Wireless radio specifications	AP type: single-radio, single-band 802.11n indoor Supported frequency bands (country-specific restrictions apply): - 2.400 to 2.4835 GHz Available channels: Controller-managed, dependent upon configured regulatory domain Maximum transmit power: - AP-68: 2.4 GHz: 20 dBm (limited by local regulatory requirements) Transmit power: Configurable in increments of 0.5 dBm Supported radio technologies: - 802.11b: Direct-sequence spread-spectrum (DSSS) - 802.11g/n: Orthogonal frequency division multiplexing (OFDM) - 802.11n: 1x1 with one spatial stream Supported modulation types: - 802.11b: BPSK, QPSK, CCK - 802.11g/n: BPSK, QPSK, 16-QAM, 64-QAM Antenna diversity for improved receiver performance Association rates (Mbps): - 802.11b: 1, 2, 5.5, 11 - 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 - 802.11n: MCS0 – MCS57 (6.5 Mbps to 150 Mbps) 802.11n high-throughput (HT) support: HT 20/40 802.11n packet
Antenna	AP-68: Integrated, Omni-directional antenna elements (supporting receive special diversity). Antenna gain: 3dBi (max)
Interfaces	1 x 10/100BASE-T Ethernet (RJ-45), auto-sensing link speed and MDI/MDX 1 x RJ-45 serial console interface
Power	48 V DC 802.3af Power over ethernet 12V DC connector for use with external AC supplied power (adapter sold separately) Maximum power consumption: 8 watts
Mounting	Wall mount Non-recessed ceiling rail mount (15/16")
Mechanical	Dimensions/weight (unit) - 140 mm x 105 mm x 38 mm (5.5" x 4.1" x 1.5") - 145 g (5.1 oz)
Environmental	Operating: - Temperature: 0° C to 40° C (32° F to 104° F) - Relative humidity: 5% to 95% non-condensing Storage and transportation temperature range - 40° C to 70° C (-40° F to 158° F)
Certifications	Wi-Fi certified
Warranty	One - Year warranty

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