PAKEDGE WA-2200

802.11AC 2×2 WAVE 2 ACCESS POINT WITH BAKPAK LITE

Description

The WA-2200 is a next-generation Wave 2 access point, redesigned with a high-speed, quad-core chipset, faster setup and configuration with BakPak, and more advanced wireless technology to meet the performance demands of the smart home.

The WA-2200 is best for small to large homes demanding the best possible performance for high-throughput and real-time, latency-sensitive applications. The WA-2200 is engineered with a new, high-speed chipset delivering faster speeds, greater reliability, and smooth client hand offs anywhere in the home. Next-generation wireless technology, including beamforming and Wave 2 MU-MIMO, ensure high-throughput connectivity for bandwidth-intensive devices and real-time applications.

The WA-2200 delivers a fast and easy setup process designed to streamline your deployments. BakPak is built in and supports all wireless settings—including SSIDs, passwords, auto-channel, and Tx power levels—enabling complete configuration of the wireless network while onsite and remotely from a desktop or BakPak mobile app. Multi-AP deployments are now streamlined with complete cloud configuration through BakPak, saving deployment time and eliminating controller hardware costs.

The smallest Pakedge access point to date, the WA-2200 delivers a sleek, more aesthetically designed form factor that will delight your customers. A mounting template and accessory kit are included in the box for easier installation. 802.11af PoE compliance eliminates extra wiring and reduces PoE power draw.

Feature and benefit highlights

- Next-generation 802.11ac Wave 2 access point
- High-speed chipset with quad-core CPU
- 2x2:2 MU-MIMO
- Beamforming technology
- 1,300 Mbps max data rate (400 Mbps for 2.4 GHz; 867 Mbps for 5 GHz)
- Auto-channel selection
- 802.11k/v/r roaming standards
- 8 secure SSIDs (4 per band) + 2 guest SSIDs (1 per band)
- WPA/WPA2-PSK security encryption
- BakPak Lite built in for complete cloud configuration and management
- Controller-less multi-AP deployments with BakPak
- Not compatible with NK1-CP1 Wireless Controller
- Powered by 802.3af PoE (power supply sold separately)
- Mounting template and accessory kit included
- Small, sleek form factor with aesthetic design

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Features

Next-generation chipset
The WA-2200 features an all-new, high-speed chipset with a quad-core CPU that delivers accelerated processing power and faster speeds to client-dense smart homes. It also delivers an exceptional roaming experience with real-time VoIP and video streaming applications anywhere in the home.

Beamforming technology
Beamforming technology focuses the AP RF signal in the direction of devices demanding sustained throughput—eliminating latency and delivering optimal performance for high-speed devices and real-time applications (VoIP, 4K/HD video, real-time gaming, and more).

Wave 2 MU-MIMO technology
Next-generation Wave 2 802.11ac AP with MU-MIMO (multi-user, multi-input, multi-output) technology enables multiple, simultaneous connections to devices, dramatically improving wireless network performance.

Redesigned setup process
The WA-2200 streamlines setup and configuration for single- and multi-AP deployments. Getting your AP set up is fast and easy with key setup features—including username and password, SSIDs, and guest networks—listed on a single page. Intuitively navigate to advanced settings on other tabs.

Username and password requirement for increased security
The new username and password requirement for the WA-2200 login credentials requires default settings to be changed upon setup to ensure your customers are protected.

Streamlined multi-AP deployments with BakPak
Multi-AP deployments are now easier than ever with BakPak. Complete BakPak cloud configuration enables controller-less multi-AP deployments, eliminating additional hardware costs and reducing deployment time. Discover additional APs on the network and, with a single click, automatically enroll each AP to BakPak. After discovery, push all configuration settings to all connected APs in just minutes.

BakPak remote management and configuration
With BakPak Lite built in, it's easy to configure, monitor, and manage your customers' wireless networks remotely. Receive alerts, update firmware, or push wireless configuration settings—to a single AP or multi-AP systems—from your desktop or mobile app.

MOST RECENT DATA SHEET

pkdge.co/wa-2200-ds

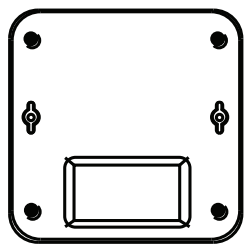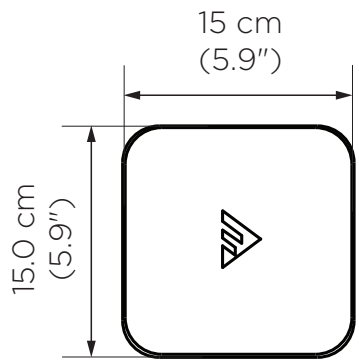QUICK START GUIDE

pkdge.co/wa-2200-qsg

USER GUIDE

pkdge.co/wa-2200-ug

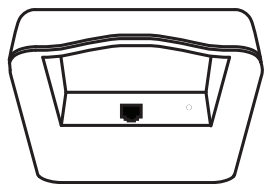pakedge®

PAKEDGE WA-2200 ACCESS POINT

FEATURES AND SPECIFICATIONS

FEATURES	DESCRIPTION
Radio settings	• Operating frequencies: Dual band (5 GHz and 2.4 GHz) • 2×2 Wave 2 MU-MIMO • Beamforming technology • Data rate up to 1,300 Mbps (867 Mbps for 5 GHz; 400 Mbps for 2.4 GHz) • Operation mode: AP • Channel width: 5 GHz: VHT 20, 40, 80 MHz; 2.4 GHz: HT 20 & 40 MHz • Auto-channel • Band steering
Management	• Quick setup, intuitive web interface • BakPak Lite Remote Management built in • Single and multi-AP configuration with BakPak • Local and cloud firmware management • VLAN support, management VLAN • SNMP • Diagnostics: Ping and traceroute • Remote reboot and reset
Wireless settings	• 8 secure SSIDs (4 per band) + 2 guest SSIDs (1 per band) • WPA and WPA2-PSK security encryption • Hide SSID • Client isolation • Spanning Tree Protocol • RF scan • Industry roaming standards 802.11r, 802.11k, and 802.11v • RSSI threshhold and client reject
Administration	• LED enable/disable (global/individual AP) • System log and report • Back up and restore configuration • Services (RF coverage, sub-optimal radio configuration) • Client device monitoring

SPECIFICATIONS

Transmit power	WA-2200: 25 dBm on both 5 GHz and 2.4 GHz WA-2200-1: Varies, based on the country where installed
Receive sensitivity	-91 dBm
Encryption options	WA-2200: WPA-PSK, WPA2-PSK, WPA/WPA2 mixed using TKIP or AES WA-2200-1: AES WPA/WPA2 -PSK with AES encryption
Input power	WA-2200: PoE 802.3af, or 12V/1.5A with optional power supply (sold separately) WA-2200-1: PoE 802.3af, or 12V/1A with optional power supply (sold separately)
PoE power draw	12W
NK1-CP1 compatible	No

MECHANICAL

Mounting options	Wall bracket
LED	(single) white=power on, blue=booting up, green=operating normally
Buttons	Reset
Ports	Power, 1 LAN/PoE
Dimensions	150 × 150 × 34 mm (5.9 × 5.9 × 1.3 in.)
Weight	1.03 kg (2.26 lb)
Included accessories	Quick Start Guide, Ethernet cable, mounting template, bracket, and hardware
Optional accessories, WA-2200	12V/1.5A power supply (PS-WA-2200, sold separately)
Optional accessories, WA-2200-1	12V/1A power supply (PS-WA-2200-1, sold separately)

ENVIRONMENTAL

Operating temperature	0°C to 45°C (32°F to 113°F)
Storage temperature	-25°C to 60°C (-13°F to 140°F)
Humidity	10%-90% non-condensing

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PAKEDGE WA-2200 ACCESS POINT

15 cm
(5.9")

15.0 cm
(5.9")

3.30 cm
(1.3")

Bottom view

Ports: 1 LAN/PoE

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