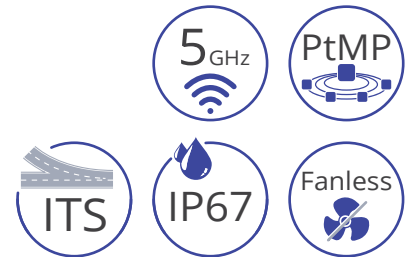


EW75200-1308

Hardened IP67 Outdoor Wireless Access Point/Bridge



Product Highlights

High Bandwidth Wireless Connectivity

- Designed for Point-to-Multi-Point wireless remote connectivity
- IEEE 802.11a/n/ac providing high throughput data transmission on 5GHz up to 866Mbps
- 1 x dual polarization, high gain panel antenna
- 2 x high gain omnidirectional antennas

Hardened grade with IP67 protection

- Wide operating temperature range for extreme environments
- Fanless and ruggedized outdoor IP67 enclosure

Comprehensive and Advanced Software Features

- Static routing, RIPv1 & v2 and OSPFv2
- Built in Stateful Firewall and RADIUS for security control
- RF strength LEDs and Bandwidth Tester to ease installation effort

Overview

The eWAV EW75200-1308 is a hardened IP67 outdoor wireless access points (WAP) providing high speed wireless connectivity for harsh and demanding environments. Comprised of high-power, long-range IEEE 802.11ac MIMO wireless radios with gigabit IEEE 802.3at PoE connectivity, the series is hardened against extreme temperatures and water ingress. eWAV delivers the power and range (up to 20 miles) to wirelessly connect remote networks or extend existing networks in an efficient and cost-effective way. The EW75200-1308 supports two 5GHz 802.11a/n/ac Radios for long-distance Point-to-Point/Point-to-Multi-Point data transmission and local device access such as laptops, wireless IP cameras, or mobile devices. Maximum transmission speeds are up to 866Mbps on each 5GHz radio.

Ordering Information

Model

EW75200-1308	Hardened IP67 outdoor wireless access point with 5GHz/19dBi Panel antenna and 5GHz/8dBi Omni antenna
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Software Features

Interface	+
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Web Browser	
SNMP v1/v2/v3	
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Management	+
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Firmware and configuration upgrade and backup via Web Browser	
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Supports DHCP Server/Client/Relay	
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DNS cache and Web Proxy	
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System health monitoring including temperature and voltage	
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Local system log, e-mail and remote log service	
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SNTP client	
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Useful tools such as Bandwidth Test, E-mail, Ping, Traceroute, Packet Sniffer and Traffic Generator	
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Wireless	+
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Encryption: WPA, WPA2, WEP, AES	
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Dynamic Frequency selection	
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Proprietary Nstreme and Nv2 protocols for long distance transmission	
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Security	+
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RADIUS client	
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Powerful Firewall: Stateful packet inspection, Layer-7 protocol detection, Peer-to-peer protocols filtering	
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Traffic Classification by:	
<ol style="list-style-type: none">1. Source MAC address2. IP addresses (network or list) and address types (broadcast, local, multicast, unicast)3. Port or port range4. IP protocols5. Protocol options (ICMP type and code fields, TCP flags, IP options and MSS)6. Interface the packet arrived from or left through7. Internal flow and connection marks8. DSCP byte9. Packet content10. Rate at which packets arrive and sequence numbers11. Packet size12. Packet arrival time	
<hr/>	
Routing	+
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Static routing, RIPv1 & v2 and OSPFv2	
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Bidirectional Forwarding Detection	
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Prefix List to filter and control the routing table	
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Hardware Specifications

Technology		+
Standards	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.11a/n/ac Wireless LAN	
Performance	Wireless transmission rate 5GHz: 11a: 108Mbps, 11n: 300Mbps, 11ac: 866Mbps Ethernet data rate: Up to 540Mbps (LAN to wireless 11ac)	
Wireless	RF channels: 2 Non-overlapping Frequency range: 5GHz: 5150-5250MHz and 5725-5850MHz Channel width: 5GHz: 10MHz, 20MHz, 40MHz, 80MHz Data security: 256-bit AES-CCM	

Transmit power and receive sensitivity 5GHz

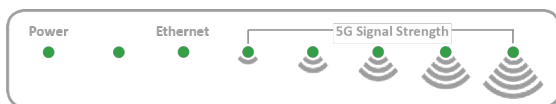
	Transmit power (dBm)	Receive sensitivity
6MBit/s	31	-96
54Mbit/s	27	-81
MCS0	30	-96
MCS7	27	-77
MCS9	22	-72

Power		+
Input	PoE 802.3at/bt	
Power Consumption	17W Max.	

Physical		+
Casing	UV Protected Polystyrene case	
Dimensions (W x H x D)	270 x 565 x 76mm (10.63"x 22.25" x 3")	
Weight	1.91 kg (4.2 lbs.)	
Installation Type	Pole/Wall Mounting	

Interface		+
Ethernet Port	10/100/1000BASE-TX PoE	

LED Indicators



Environmental		+
Operating Temp.	-40 to 75°C (-40 to 167°F)	
Storage Temp.	-40 to 85°C (-40 to 185°F)	
Ambient Relative Humidity	5% to 95% (non-condensing)	
Wind Load	132N @200km/h/h	
Wind Survivability	200km/h	

Regulatory		+
ISO	Manufactured in an ISO 9001 facility	
EMI	FCC Part 15B Class A FCC Part 15C	
Environmental Test Compliance	IEC 60068-2-6 Fc (Vibration Resistance) FED STD 101C Method 5007.1 (Free fall w/package)	
Warranty		+
Length	Limited Lifetime	
Details	www.etherwan.com/support/warranty-policy	
What's Included		+
Device	Media Converter	

Application Diagram

