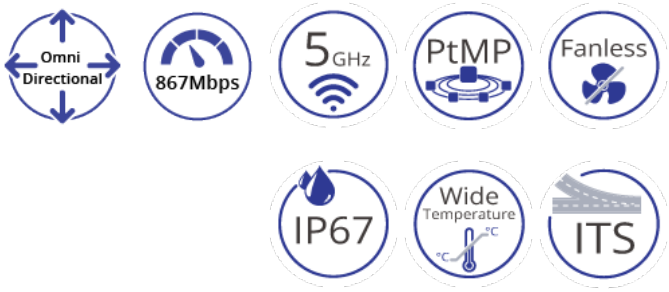
EW75000-08

Hardened IP67 Outdoor Wireless Access Point





Overview

The eWAV EW75000-08 is a hardened IP67 outdoor wireless access point (WAP) providing high-speed wireless connectivity for harsh and demanding environments. Comprised of high-power, long-range single and dual-band IEEE 802.11ac MIMO wireless radios with gigabit IEEE 802.3at PoE connectivity, the eWAV EW75000-08 is hardened against extreme temperatures and water ingress.

The EW75000-08 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. It supports 5GHz 802.11a/n/ac for long-distance Point-to-Point and Point-to-Multi-Point connections with up to 867Mbps transmission speeds.

EtherWAN — "**When Connectivity is Crucial.**"

Highlights

High Bandwidth Wireless Connectivity

Design for Point-to-Point and Point-to-Multipoint wireless backhaul applications
IEEE 802.11a/n/ac providing high throughput data transmission on 5GHz up to 867Mbps
2 x 2 MIMO antennas with high gains

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, RIP v1/v2 and OSPF v2
Built in Stateful Firewall and RADIUS for security control
RF strength LEDs and Bandwidth Tester to ease installation effort

Features

Interface

Web Browser

SNMP v1/v2/v3

Management

Firmware and configuration upgrade and backup via Web Browser

Supports DHCP Server/Client/Relay

DNS cache and Web Proxy

System health monitoring including temperature and voltage

Local system log, e-mail and remote log service

SNTP Client

Useful tools such as Bandwidth Test, E-mail, Ping, Traceroute, Packet Sniffer and Traffic Generator

Wireless

Encryption: WPA, WPA2, WEP, AES

Dynamic Frequency selection

Proprietary Nstreme and Nv2 protocols for long distance transmission

Routing

Static routing, RIP v1/v2 and OSPF v2

Bidirectional Forwarding Detection

Prefix List to filter and control the routing

table

Security

RADIUS client

Powerful Firewall

Stateful packet inspection

Layer-7 protocol detection

Peer-to-peer protocols filtering

Traffic classification by:

1. Source MAC address
2. IP addresses (Network or List) and address types (Broadcast, Local, Multicast, Unicast)
3. Port or port range
4. IP protocols
5. Protocol options (ICMP type and code fields, TCP flags, IP options and MSS)
6. Interface the packet arrived from or left through
7. Internal flow and connection marks
8. DSCP byte
9. Packet content
10. Rate at which packets arrive and sequence numbers
11. Packet size
12. Packet arrival time

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: 867Mbps

Ethernet data rate

Up to 540Mbps (LAN to wireless 11ac)

Wireless

RF channels
Non-overlapping

Frequency range
5GHz: 5150-5250MHz and 5725-5850MHz

Channel width
5GHz: 10MHz, 20MHz, 40MHz, 80MHz

Data security
256-bit AES-CCM

Physical

Casing

UV Protected Polystyrene Case

IP67

Dimensions (Antennas Attached)

EW75000-08: 270 x 565 x 76mm (10.63" x 19.88" x 3")

Weight

EW75000-08: 3.5lbs.

Installation Type

Wall or Pole Mounting

Environmental

Operating Temperature

-40 to 75°C (-40 to 167°F)

Storage Temperature

-45 to 85°C (-49 to 185°F)

Ambient Relative Humidity

5% to 95% (non-condensing)

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)

Power

Input

PoE, 802.3af/at/bt PSE

Power Consumption

13W Max.

Interface

Ethernet Port

10/100/1000BASE-TX PoE

LED Indicators

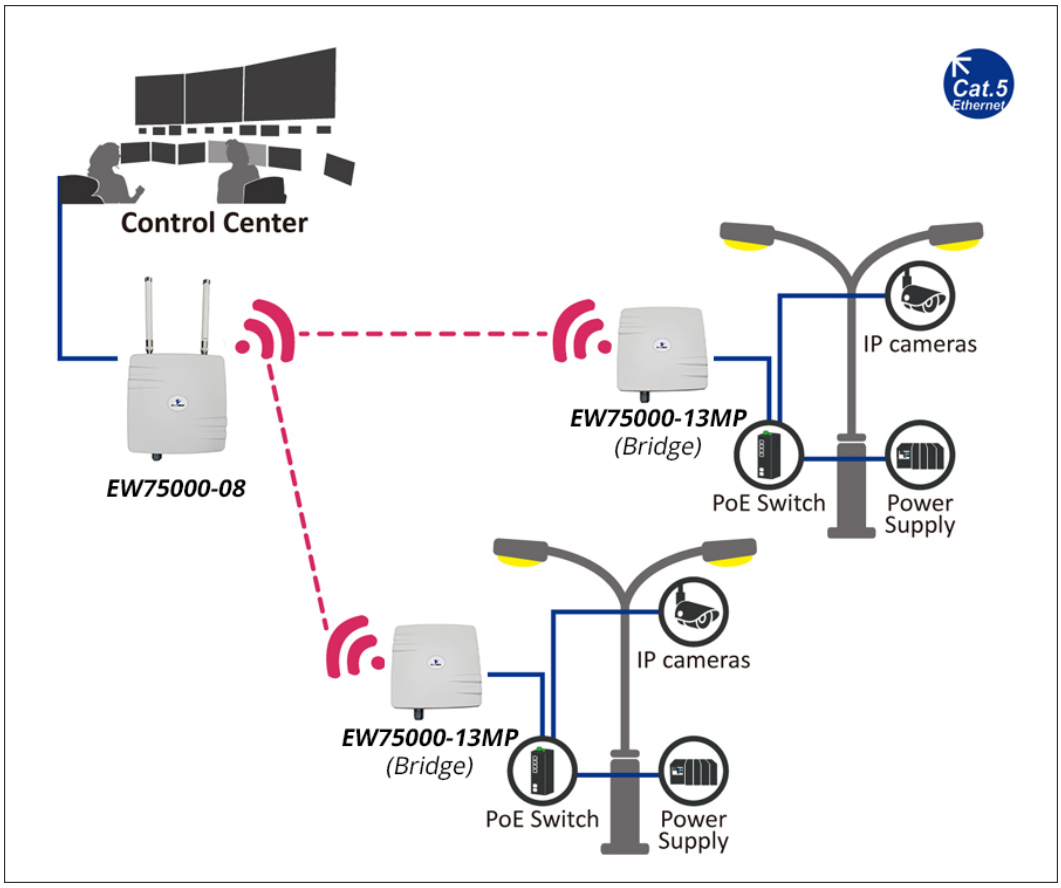


MPN

EW75000-08

1683901

Application



Ordering Info

Model

EW75000-08	Hardened IP67 outdoor wireless access point with 5GHz/8dBi Omni antenna

Accessories

JPOLE18	18" Wall Mount J-Pole
Cable 25	25' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating
Cable 50	50' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating
Cable 150	150' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating
Cable 300	330' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating

© EtherWAN Systems, Inc. All rights reserved. 20260801
EtherWAN is constantly developing and improving products. Specifications are subject to change without notice and without incurring any obligation.