

EasyPoE® Box Series

NEMA-Rated Indoor/Outdoor Enclosure with Integrated PoE Switch



Overview

EtherWAN's EasyPoE® Box Series is an integrated solution that combines a managed PoE switch, splice tray, power supply, and a DIN-rail for accessories, all in a single, secure, NEMA-rated cabinet enclosure. Equipped with up to 4 gigabit PoE ports that provide from 15W up to 90W output per port using the latest IEEE 802.3bt technology and 2 uplink ports, the smart camera box series provides the power, time-saving design, and convenience to support a wide variety of applications including surveillance, LED lighting, and other networking applications.

EtherWAN — "When Connectivity is Crucial."

Highlights

+ NEMA-Rated Indoor/Outdoor Design for Non-Ventilated & Harsh Environments

- Wide operating temperature -40 to 70°C (-40 to 158°F)
- Fanless design
- Weather-resistant, anti-corrosion, and vandal-resistant design

+ Time/Cost Saving Features

- Integrated splicing tray for safe fiber connection storage
- Adapter for wall and pole mounting
- Preinstalled bulkheads for cable connections and DIN-rail for additional devices/accessories

+ Smart PoE and Power

- Futureproof with 90W/port and backward compatibility with all PoE protocols (60W/30W/15W)
- PoE watchdog monitors status of connected PoE devices
- Built-in power supply and surge protection with auxiliary DC power output

+ Support

- Complimentary technical support
- Free firmware upgrades and notifications
- Limited lifetime warranty

Software Features

+ Interface

- CLI and Web Browser
- SNMP v2/v3

+ Management

- Firmware upgrade
- Configuration backup
- DHCP Client
- RMON (Remote Monitoring)
- Port Mirroring
- SNTP (Simple Network Time Protocol) synchronization
- LLDP (Link Layer Discovery Protocol)
- IPv4/IPv6

+ Security

- MAC address filtering
- Enable/Disable port
- System logging
- IEEE 802.1x LAN Access Control
- Remote authentication through RADIUS
- SSH for CLI and Telnet security
- SSL and HTTPS for Web security
- Multi-user login and privileged access management
- Port security

+ Layer 2 Features

- Auto-negotiation for port speed and duplex mode**
- Flow Control
- IEEE 802.3x full duplex mode
- Back-pressure half duplex mode

Redundant Protocol

- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)

VLANs

- IEEE 802.1Q Tag VLANs (Up to 32 VLANs)

Hardware Specifications

+ Interface

Ethernet Port

10/100/1000BASE-T PoE: 2 or 4 ports
10/100/1000BASE-T: 0 or 2 ports
100/1000BASE SFP: 0 or 2 ports

LED Indicators

Per Unit: Power (Green), Aux Power (Green)
Per Port: Link/Activity (Green: 10/100M, Orange: 1000M; On: connection established, Flashing: data transmission in progress)
Per Port: PoE (Green: Auto Mode, Orange: Force Mode)

Mode Button

Exiting without changes
Resetting to the factory settings
Operating with a static IP address
Setting DHCP mode
Setting BootP
Setting unmanaged mode

+ Physical

Casing Material

Polycarbonate (PC)

IP Rating

IP65

NEMA Rating

NEMA 4/4X

Impact Protection

IK10

Dimensions

11.2 x 4.8 x 14.3in (W x D x H)
284 x 121 x 364mm (W x D x H)

Weight

9.5lbs (4.3Kg)

Installation Type

Wall or Pole Mounting

+ Technology

Standards

IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX/100BASE-FX
IEEE 802.3ab 1000BASE-T
IEEE 802.3x full duplex and flow control
IEEE 802.1p QoS
IEEE 802.1Q Tag VLANs
IEEE 802.1w RSTP
IEEE 802.1ab LLDP
IEEE 802.3af/at/bt Power over Ethernet
IEEE 802.1x Port-based Network Access Control

Forward/Filtering Rate

14,880pps for 10Mbps
148,880pps for 100Mbps
1,488,000pps for 1000Mbps

Processing Type

Store-and-Forward
Auto-Negotiation
Half-duplex back-pressure full-duplex flow control
Auto MDI/MDIX

Address Table Size

8K

+ Power

Input

100-240VAC, -15% - +10% (single-phase)

Output

24VDC, 300mA (typical)

PoE Power Output

Ports 1-3: Up to 90W/port
Port 4: Up to 30W

PoE Power Budget

165W (155W if power output used)

+ Environmental

Operating Temp.

-40 to 75°C (-40 to 167°F)

Storage Temp.

-40 to 85°C (-40 to 185°F)

Relative Humidity

5% to 95% (non-condensing)

MTBF

805,920 hours

+ Warranty

Length

Limited Lifetime

Details

www.etherwan.com/support/warranty-policy

+ What's Included

Device

Smart Camera Box

Installation

Mounting Adapter

Documentation

Quick install guide

+ Regulatory

ISO

Manufactured in ISO-9001 facility

EMI

FCC Part 15B Class A

VCCI Class A

ICES-003

EN 61000-6-4

EMS

EN 61000-6-2

EN 61000-6-3

EN 61000-4-2 (ESD)

EN 61000-4-3 (Radiated RFI)

EN 61000-4-4 (Burst)

EN 61000-4-5 (Surge)

EN 61000-4-6 (Induced RFI)

Safety

UL 61010

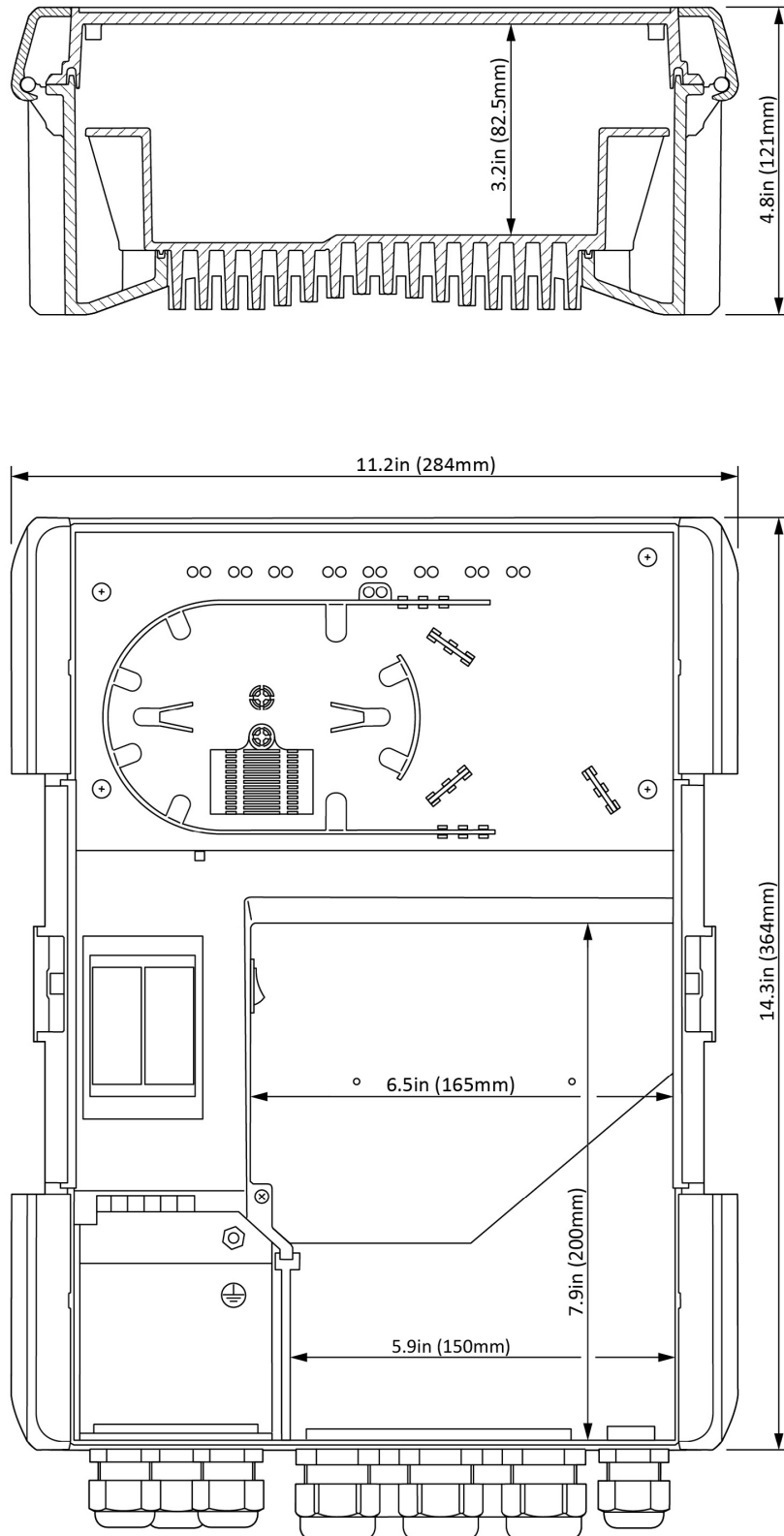
Vibration

IEC 60068-2-6

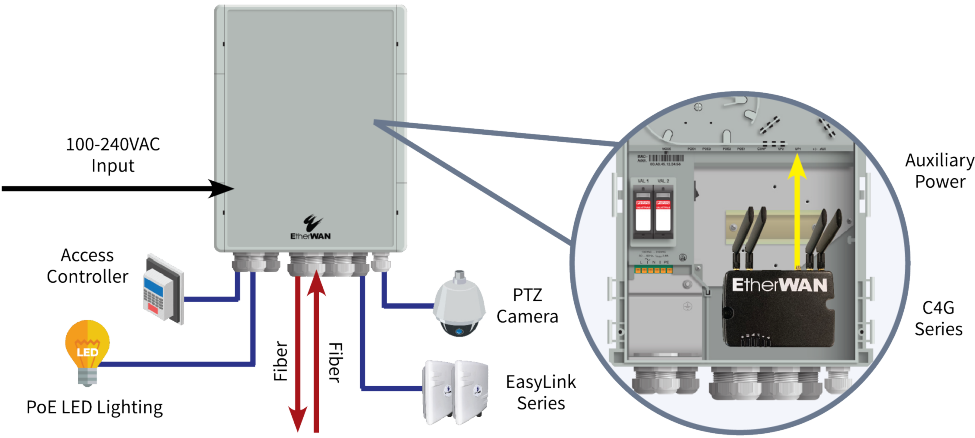
Shock

IEC 60068-2-27

Dimensions



Application



Ordering Info

+ Model

EASYPOEBOX4F	4-Port 10/100/1000BASE-T PoE + 2-Port 100/1000BASE SFP Managed Ethernet Switch
EASYPOEBOX4C	4-Port 10/100/1000BASE-T PoE + 2-Port 10/100/1000BASE-T Managed Ethernet Switch
EASYPOEBOX2F	2-Port 10/100/1000BASE-T PoE + 2-Port 100/1000BASE SFP Managed Ethernet Switch
EASYPOEBOX2C	2-Port 10/100/1000BASE-T PoE + 2-Port 10/100/1000BASE-T Managed Ethernet Switch

+ Accessories

EASYPOEBOXLOCK	Door lock with locking tab
EASYPOEBOXMCS	Mast clamps for masts (51-127mm)
EASYPOEBOXMCL	Mast clamps for masts (102-254mm)

