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

✚ 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

✚ 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

✚ 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)
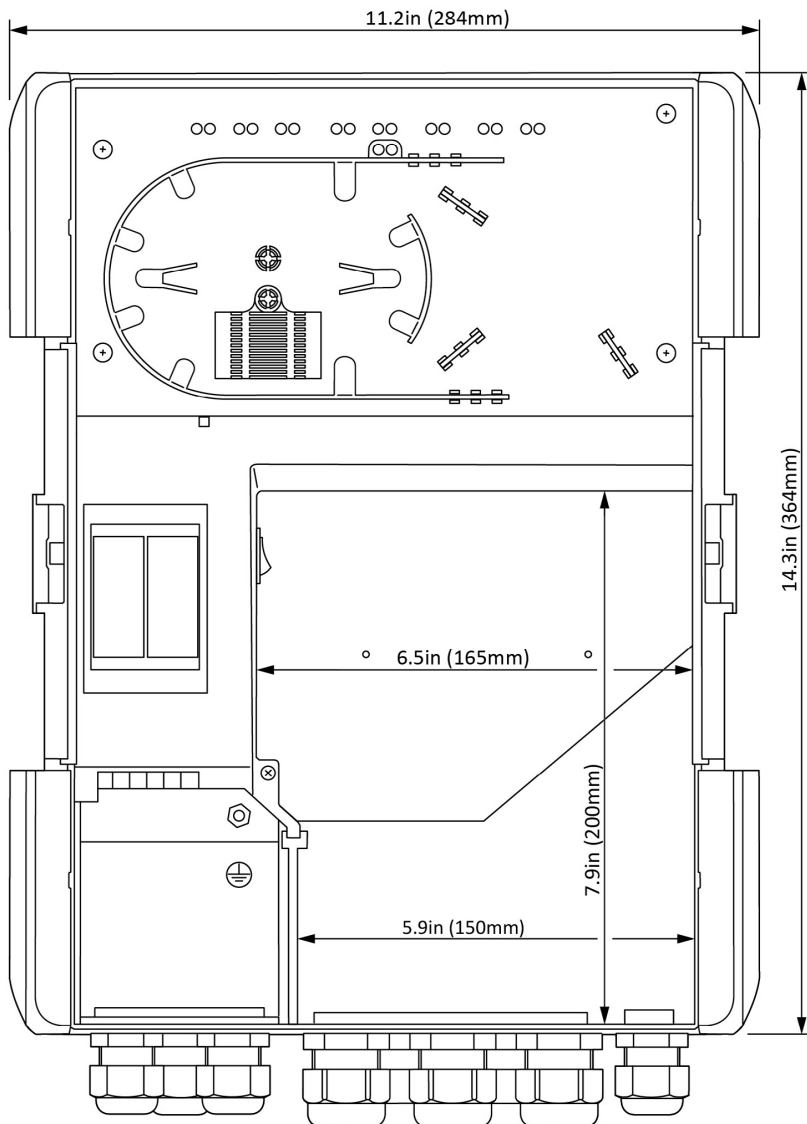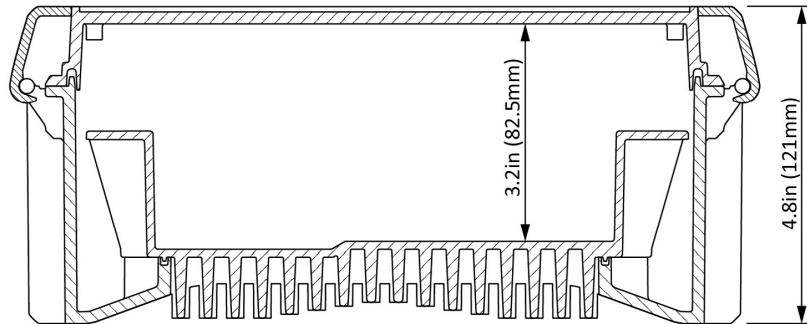- EN 61000-4-6 (Induced RFI)

Safety

- UL 61010

Vibration

- IEC 60068-2-6

Shock
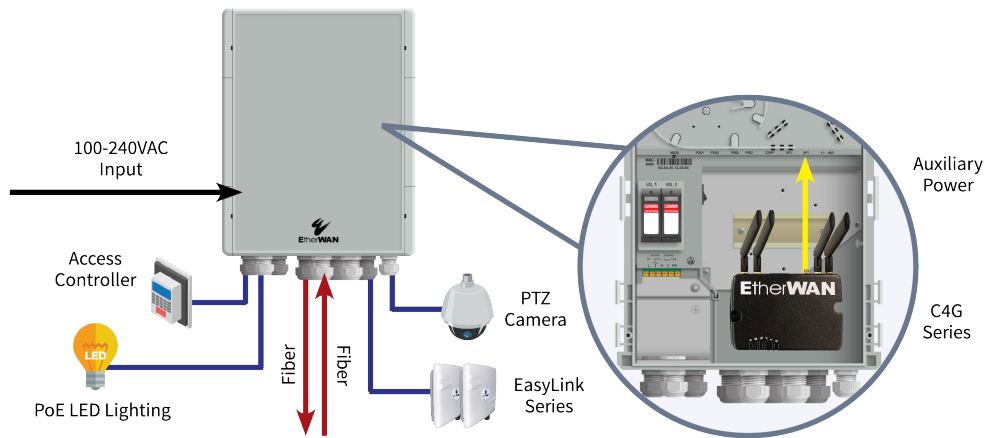
- IEC 60068-2-27

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)