# 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

**Processing Type**

Store-and-Forward

Auto-Negotiation

## 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

## MPN

**EASYPOEBOX4F**

1300146

**EASYPOEBOX4C**

1300157

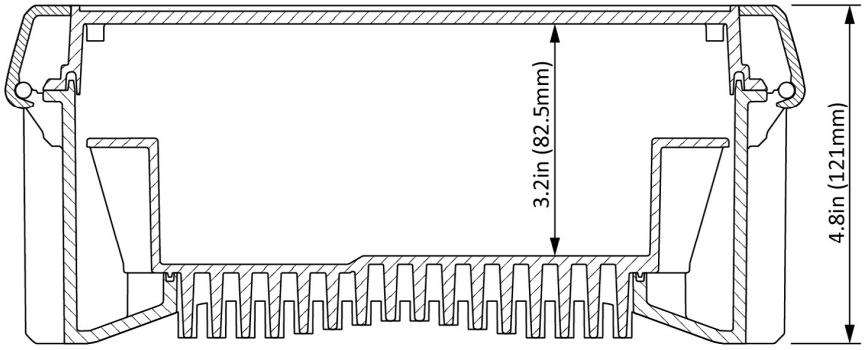
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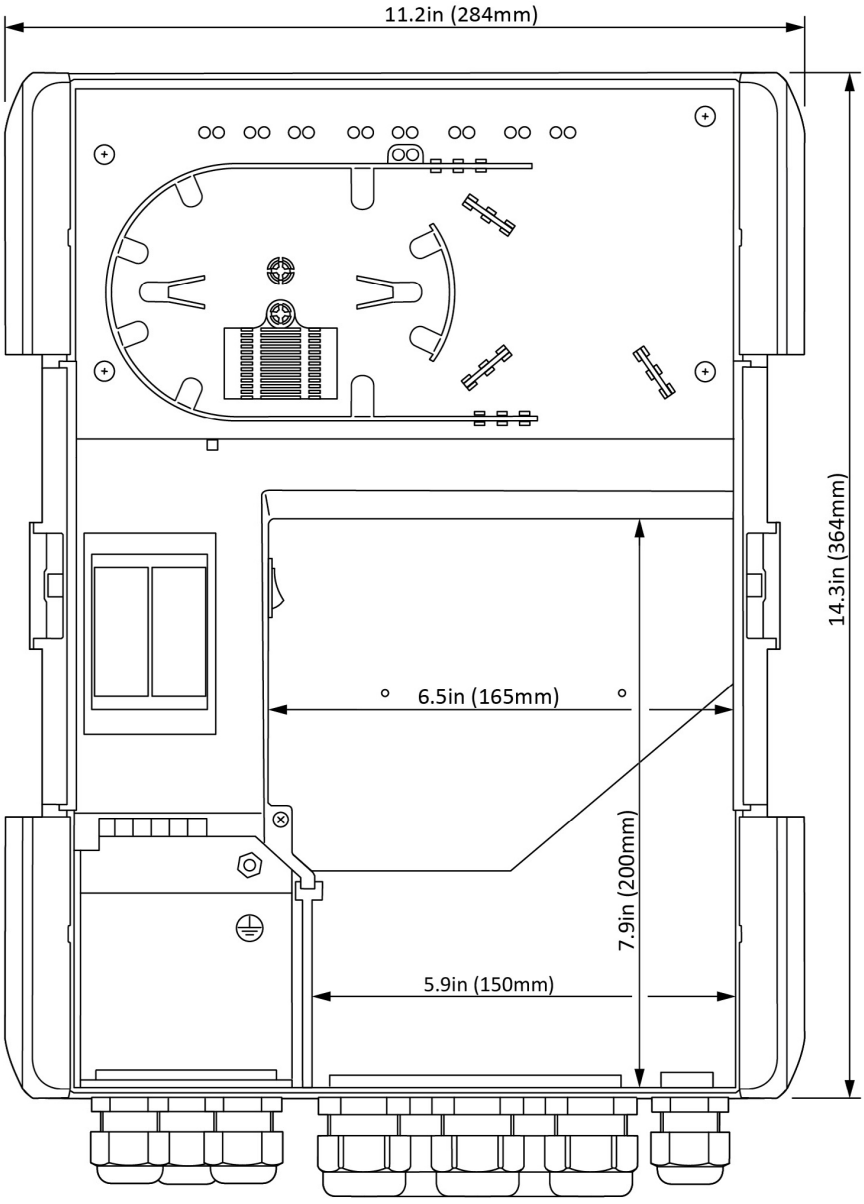
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**EASYPOEBOX2C**

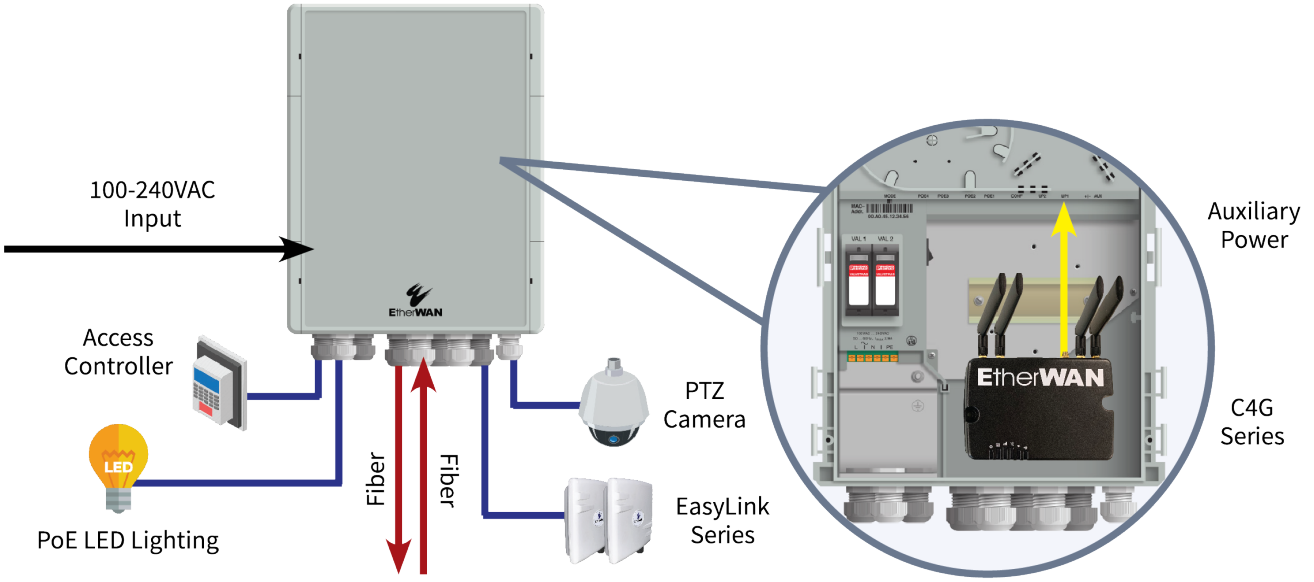
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# Dimensions


3.2in (82.5mm)
4.8in (121mm)


11.2in (284mm)
14.3in (364mm)
6.5in (165mm)
7.9in (200mm)
5.9in (150mm)

## 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) |



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