EasyPoE® Box Series

NEMA-Rated Indoor/Outdoor Cabinet 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

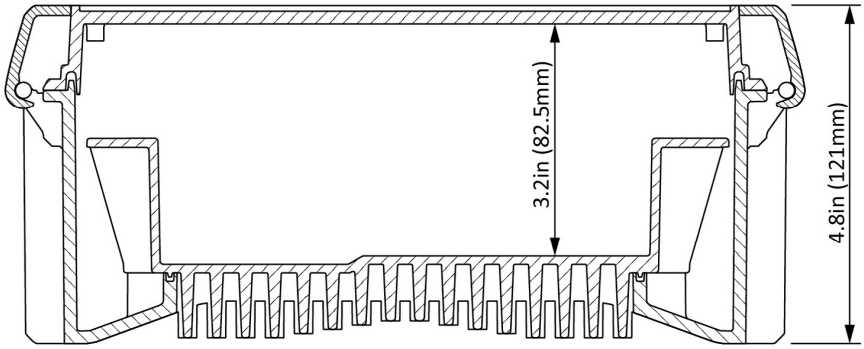
Vibration

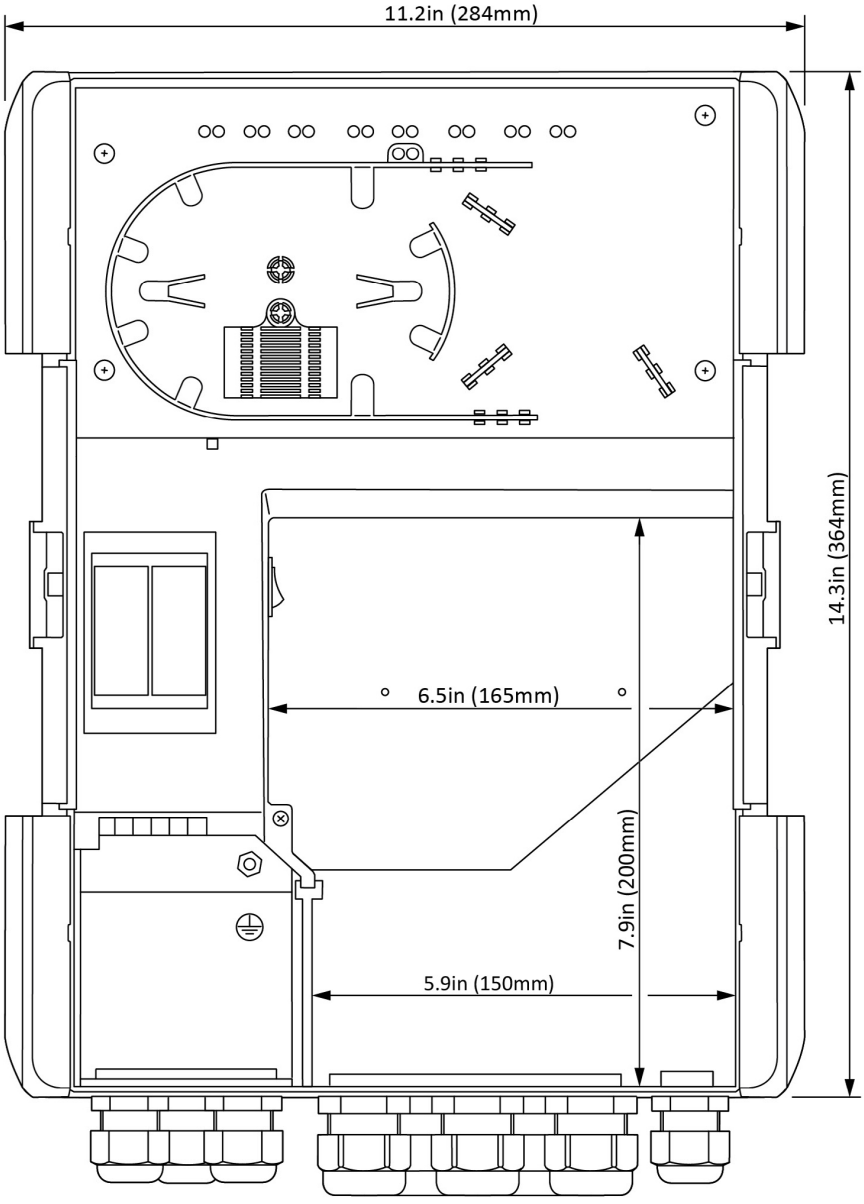
IEC 60068-2-6

Shock

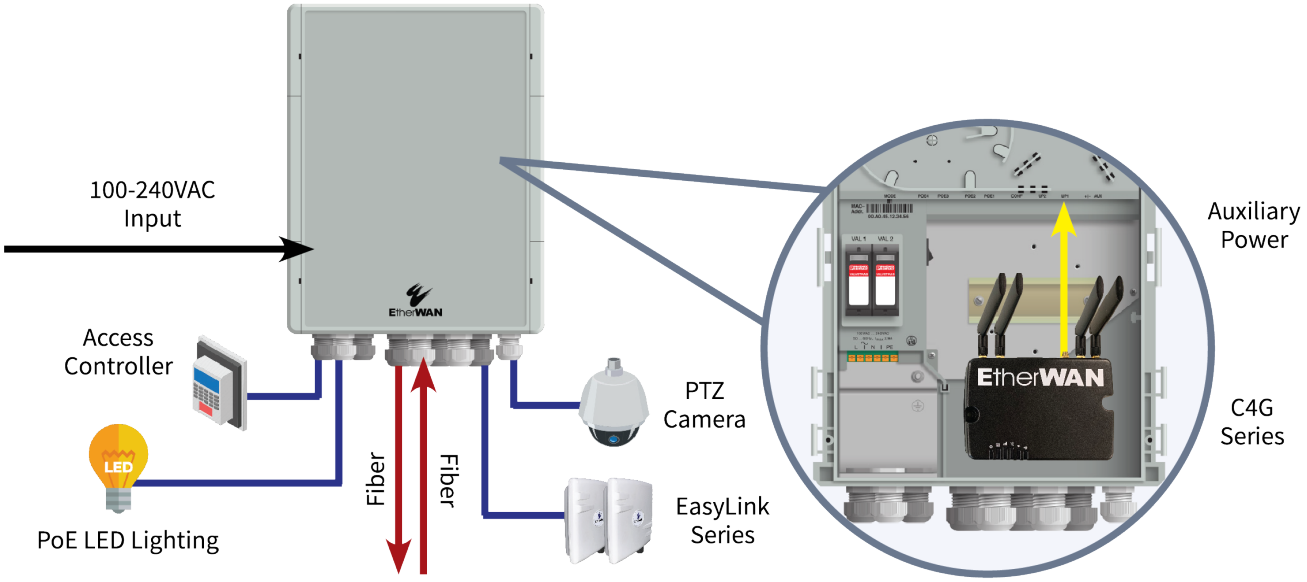
IEC 60068-2-27

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)

SFP Modules

Hardened SFP Modules	www.etherwan.com/products/sfp-fiber-transceiver



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