EasyLink Series

Preconfigured IP67 Wireless Bridge Kit

IP67

Overview

EtherWAN's EasyLink is a pre-configured point to point (PtP) Bridge kit which allows for connecting remote locations wirelessly up to 2 miles away. EasyLink's simple setup allows you to connect locations by mounting the hardware, powering them on and aligning the units using the built-in alignment LEDs. Each kit contains two paired units that connect automatically using a highly secure, unique, hidden SSID and randomly-generated passphrase to keep your valuable equipment secure right out of the box. No need for complicated setup software, just plug it in, aim it and you are connected.

EtherWAN — "When Connectivity is Crucial."

Highlights

Easy

Mount units to a pole or wall using included mount kit
Signal strength LED's for easy alignment
Just power and align using supplied PoE injectors and power supplies
No technical expertise needed

Highly Secure

Encrypted & Authenticated Wireless Connection (WPA2)
Every kit has unique SSID and security settings

Hardened-Grade for Outdoor & Harsh Environments

Fanless and ruggedized outdoor IP67 enclosure (Rainproof)
Wide operating temperature range (-40 to 167°F)
Connections up to 2 miles away

What's Included

2 x units preconfigured to connect with optimal performance up to 300Mbps
Includes all Mounting Hardware
Includes 2 x power supplies and 2 x PoE injectors

Specifications

Wireless

Frequency 5 GHz

Max data rate 300 Mbit/s

Number of chains: 2

Standards 802.11a/n

WPA2 Passphrase

256-bit AES-CCM Encryption

Dynamic Frequency selection

Layer 2 Features

Auto-negotiation for port speed and duplex

Redundant Protocols (always enabled)

- IEEE 802.1D STP
- IEEE 802.1w RSTP
- IEEE 802.1s MSTP

Interface

Ethernet

- 10/100/1000BASE-T Passive PoE

Wireless

- 802.11a/n

LED Indicators

Technology

Standards

- IEEE 802.3 10BASE-T
- IEEE 802.3u 100BASE-T
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3x full duplex and flow control
- IEEE 802.1D STP
- IEEE 802.1s MSTP
- IEEE 802.1w RSTP
- IEEE 802.11w Management Frame Protection (MFP)

Physical

Casing Material

- UV Protected Polystyrene case

Dimensions

- 185 x 185 x 63.5mm (W x D x H)
  7.28" x 7.28" x 2.5"

Weight (shipping)

- 5.3lbs (2.4kg)

Installation Type

- Pole/Wall

Environmental

Operating Temp.

- -40 to 75°C (-40 to 167°F)

Storage Temp.

- -45 to 85°C (-49 to 185°F)

Relative Humidity

- 5% to 95% (non-condensing)

Wind Survivability

- 200km/h
  *Power supply rated 5 to 158°F

Regulatory

ISO

- Manufactured in ISO-9001 facility

EMI

- FCC Part 15B Class A
- PCC Part 15C

Environmental Test Compliance

IEC 60068-2-6 Fc (Vibration Resistance)

EN 61000-4-3 (Radiated RFI)

Warranty

Antenna

Performance

VSWR

- < 2.0@ 5-5.9GHz

Dual polarized

- Horizontal & Vertical

High gain

- Up to 13dBi

Front to Back Ratio

- >20dB

Port isolation

- >30dB

Electrical Specification

Frequency Range

- 5-5.9 GHz

Gain

- 13dBi typ.

Polarization

- Dual linear-V & H

Beamwidth Horizontal

- 37 deg@ -3dB

Beamwidth Vertical

- 37 deg @ -3dB

VSWR

- <2.0 typ.

Impedance

- 50 Ohm

RF Interface

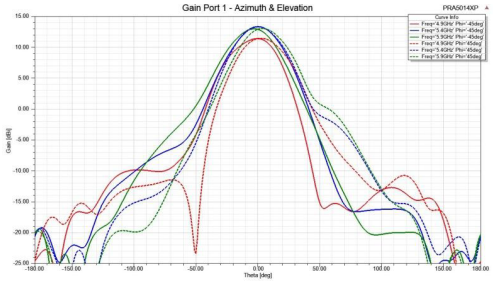
- 2 x SMA Female

Front-to-Back Ratio

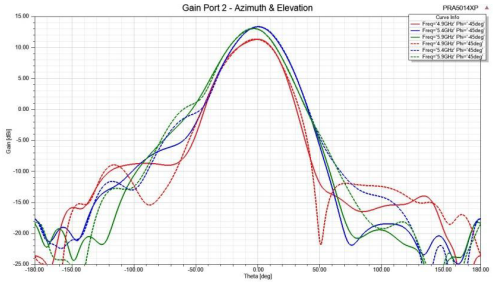
- >20dB

Port-to-Port Isolation

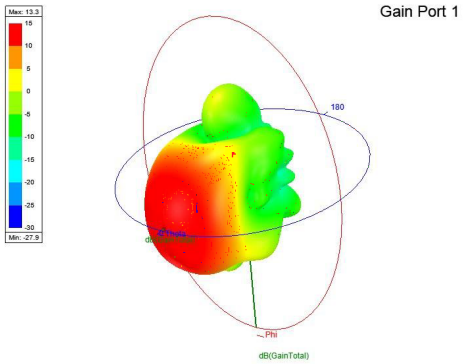
Gain - Azimuth & Elevation - Port 1



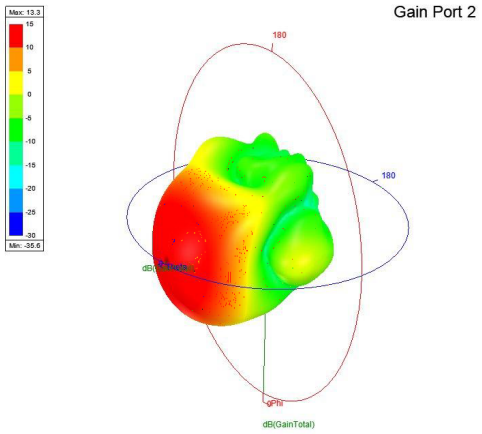
Gain - Azimuth & Elevation - Port 2



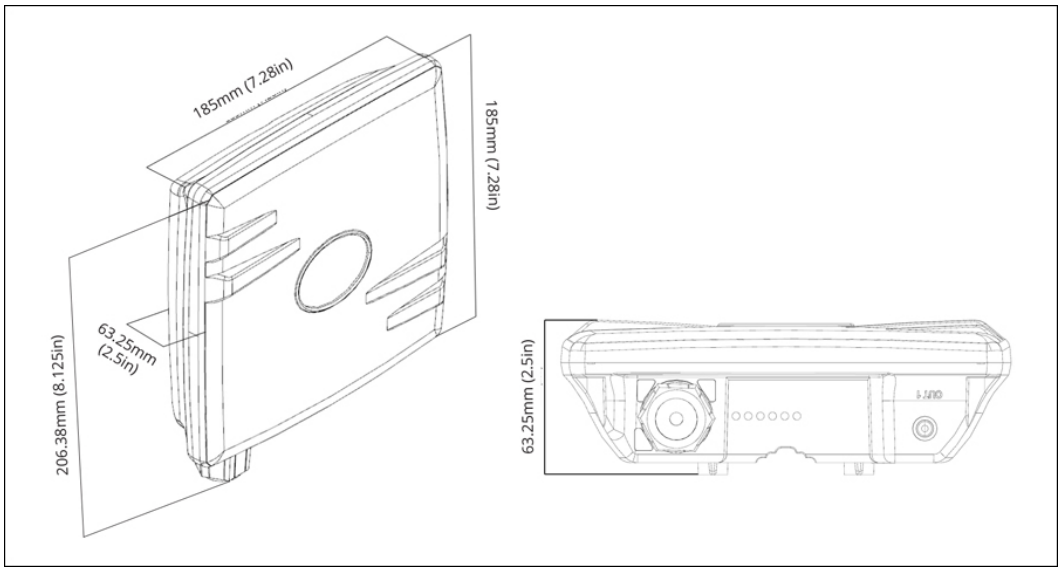
3D Gain - Port 1



3D Gain - Port 2



Dimensions


185mm (7.28in)
185mm (7.28in)
63.25mm (2.5in)
206.38mm (8.125in)
63.25mm (2.5in)

Ordering Info

Model

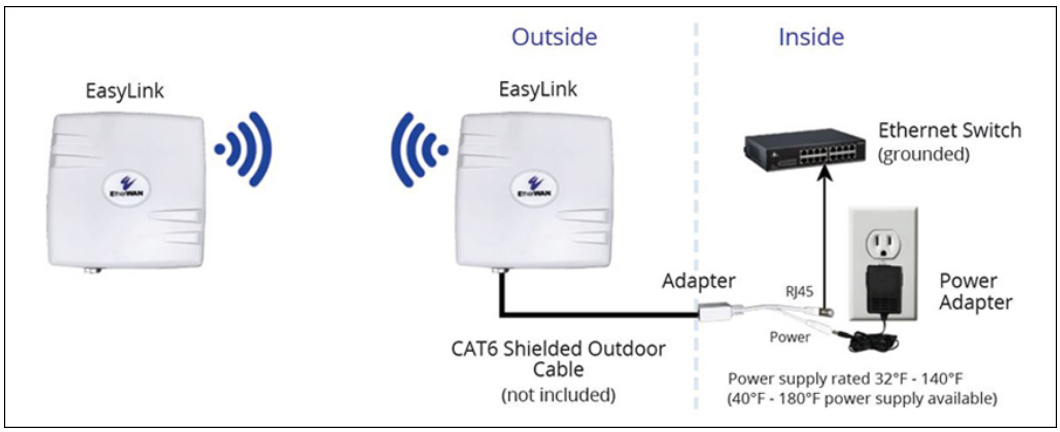
EasyLink-300-US	Wireless Bridge Kit - Two paired Wireless Bridge Units, 2 x 24VDC, 1.5A Power Supplies, 2 x Passive PoE Injectors and 2 x Mounting Kits.
JPole18	18" Wall Mount J-Pole
EasyLink-PSU-INJ	Replacement Power Supply and Gigabit Passive PoE Injector for EasyLink Wireless Bridge Series
Cable 3	3' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating
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
EPOW-24-60-A	Hardened Power Supply rated for use in temperatures -40 to 167°F
PoEPowerEZ	PoE Switch to EasyLink Adapter Hardened -40 to 165°F (Eliminates the need for a power supply)

What's in the Box

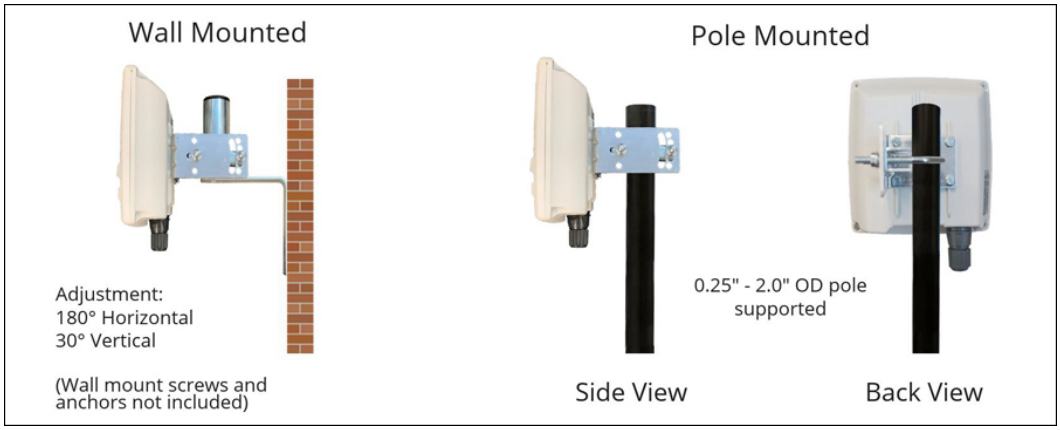
2 x Paired Easylink Units, 2 x Wall Power Supplies, 2 x PoE Injectors, 2 x Pole Mounting kit, 2 x Wall Mounting Poles, Quick Install Guide (see picture at top)

Application

Unit Connected



Unit Mounted



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