

# EasyLink Series

Preconfigured IP67 Wireless Bridge Kit



## 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

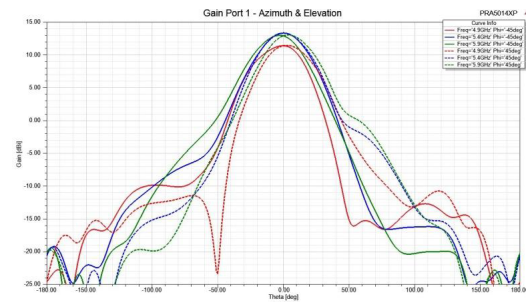
- 2 x SMA Female

### Front-to-Back Ratio

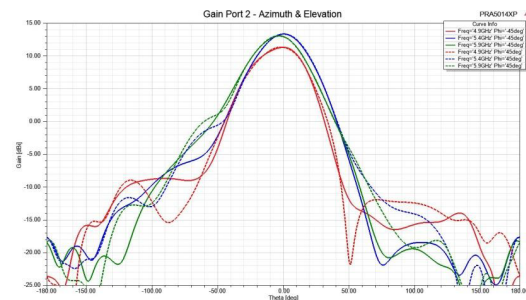
- >20dB

### Port-to-Port Isolation

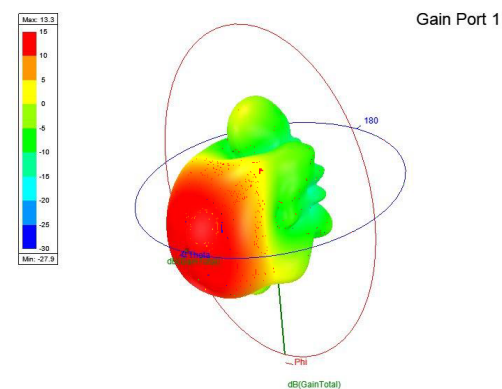
## + Gain - Azimuth & Elevation - Port 1



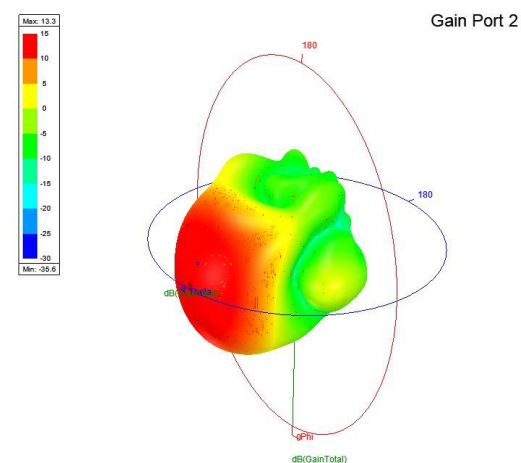
## + Gain - Azimuth & Elevation - Port 2



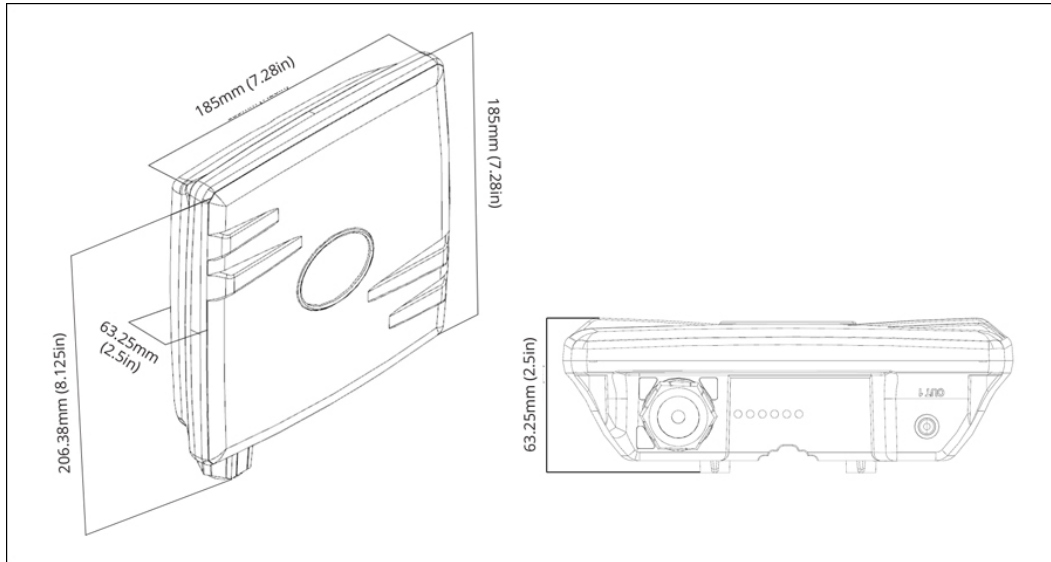
## + 3D Gain - Port 1



## + 3D Gain - Port 2



## Dimensions



## Ordering Info

### + Model

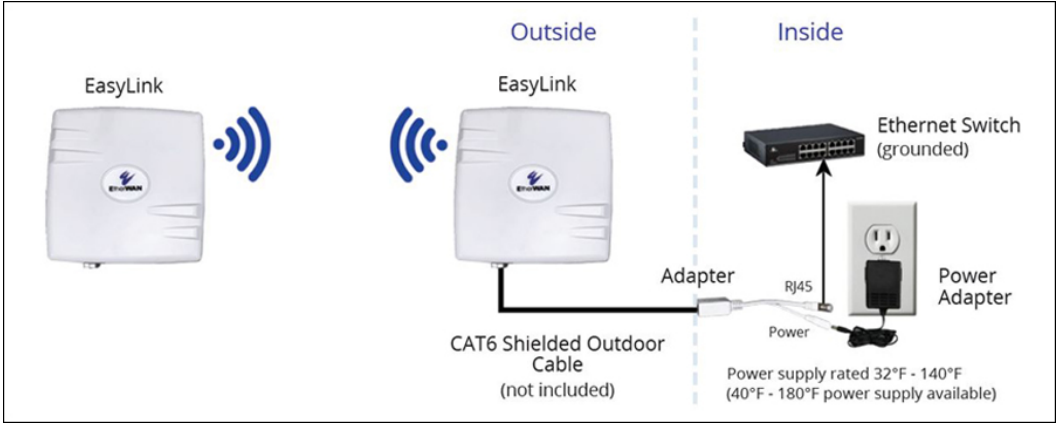
<b>EasyLink-300-US</b>	Wireless Bridge Kit - Two paired Wireless Bridge Units, 2 x 24VDC, 1.5A Power Supplies, 2 x Passive PoE Injectors and 2 x Mounting Kits.
<b>JPole18</b>	18" Wall Mount J-Pole
<b>EasyLink-PSU-INJ</b>	Replacement Power Supply and Gigabit Passive PoE Injector for EasyLink Wireless Bridge Series
<b>Cable 3</b>	3' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating
<b>Cable 25</b>	25' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating
<b>Cable 50</b>	50' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating
<b>Cable 150</b>	150' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating
<b>Cable 300</b>	330' Shielded Twisted Pair CAT 6 Cable with UV Resistant Coating
<b>EPOW-24-60-A</b>	Hardened Power Supply rated for use in temperatures -40 to 167°F
<b>PoEPowerEZ</b>	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

