

# EasyLink Series

Preconfigured IP67 Wireless Bridge Kit



## 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

## 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."

## 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)

**Power**  
 PoE in (Passive PoE)  
 PoE in input Voltage 6-30V  
 Max power consumption 10W

## + 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

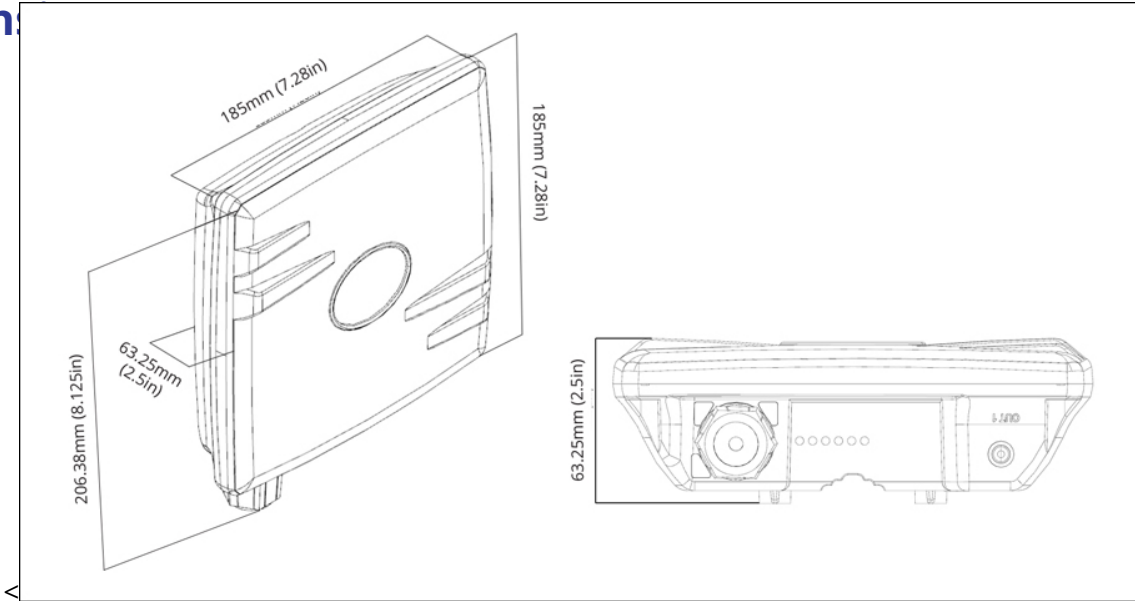
IEC 60068-2-6 Fc (Vibration Resistance)  
 EN 61000-4-3 (Radiated RFI)

## + Warranty

**Length**  
 3 Years

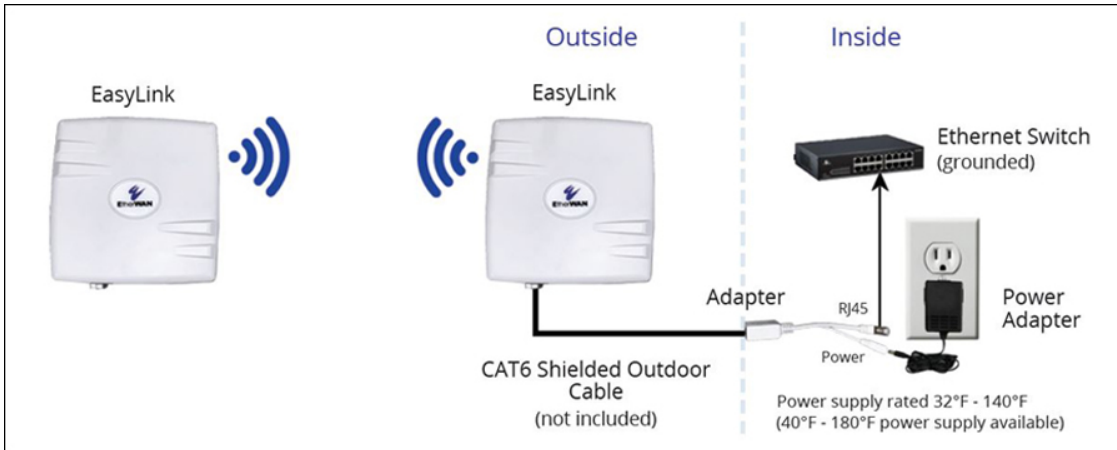
**Details**  
<https://etherwan.com/support/warranty-policy>

## Dimen

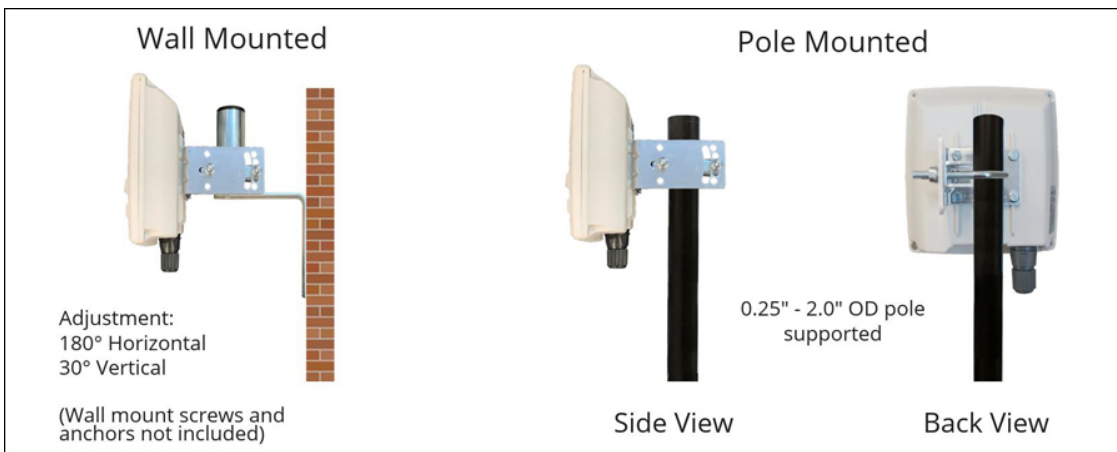


## Application

### + Unit Connected



### + Unit Mounted



# Antenna

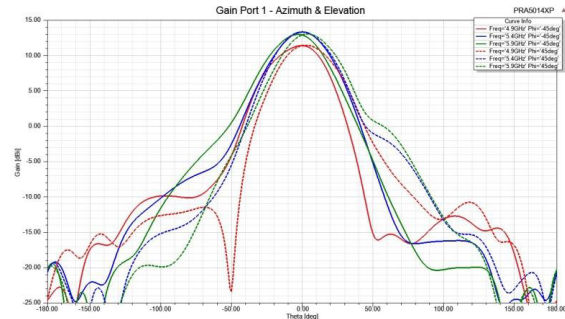
## + Performance

- VSWR  
< 2.0@ 5-5.9GHz
- Dual polarized  
Horizontal & Vertical
- High gain  
Up to 13dBi
- Front to Back Ratio  
>20dB
- Port isolation  
>30dB

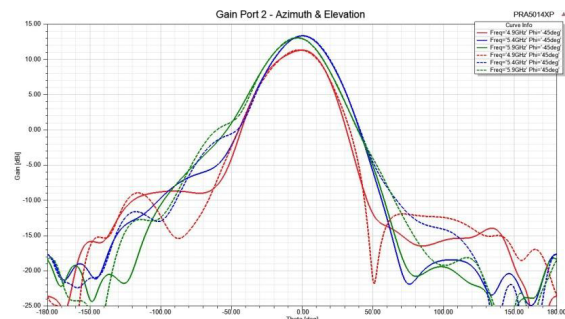
## + Electrical Specification

- 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  
>30dB

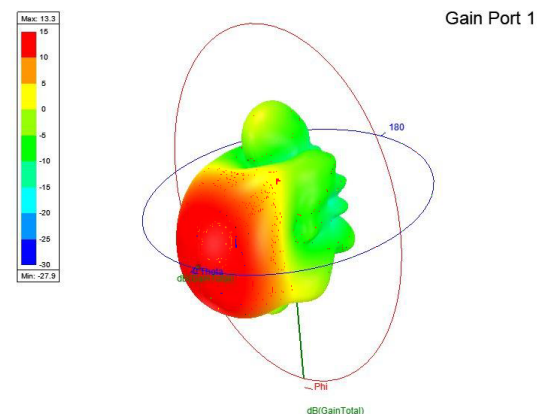
## + Gain - Azimuth & Elevation - Port 1



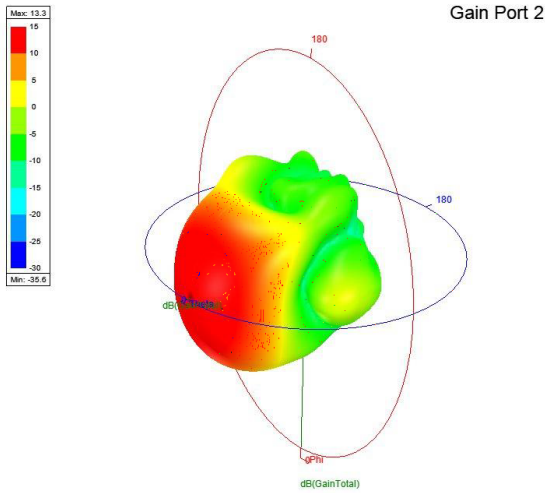
## + Gain - Azimuth & Elevation - Port 2



## + 3D Gain - Port 1



## + 3D Gain - Port 2



## 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.
J Pole18	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
PWR-H	Hardened Power Supply rated for use in temperatures -40 to 165°F
PoE PowerEZ	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)

