

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)

- 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>

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.

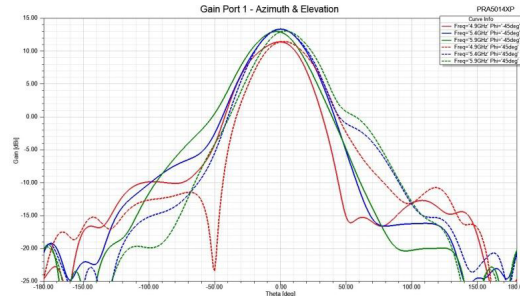
Impedance
 50 Ohm

RF Interface
 2 x SMA Female

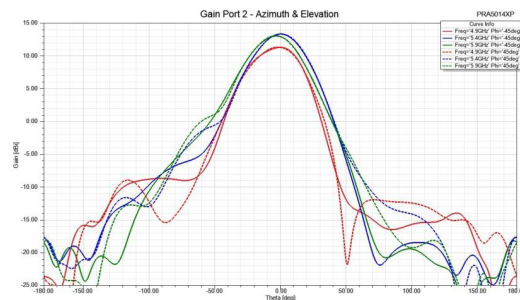
Front-to-Back Ratio
 >20dB

Port-to-Port Isolation
 >30dB

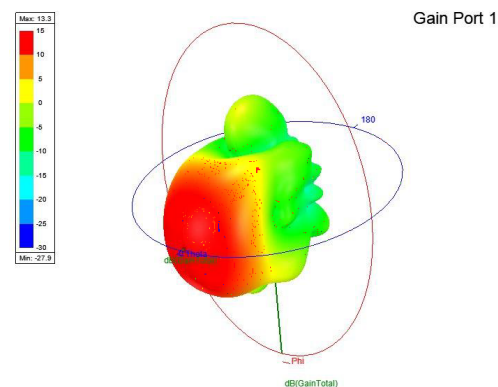
+ Gain - Azimuth & Elevation - Port 1



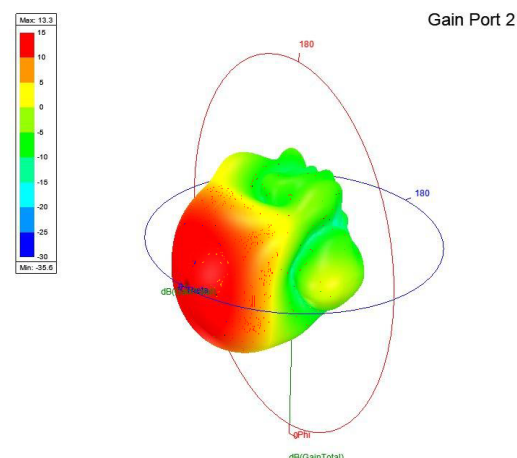
+ Gain - Azimuth & Elevation - Port 2



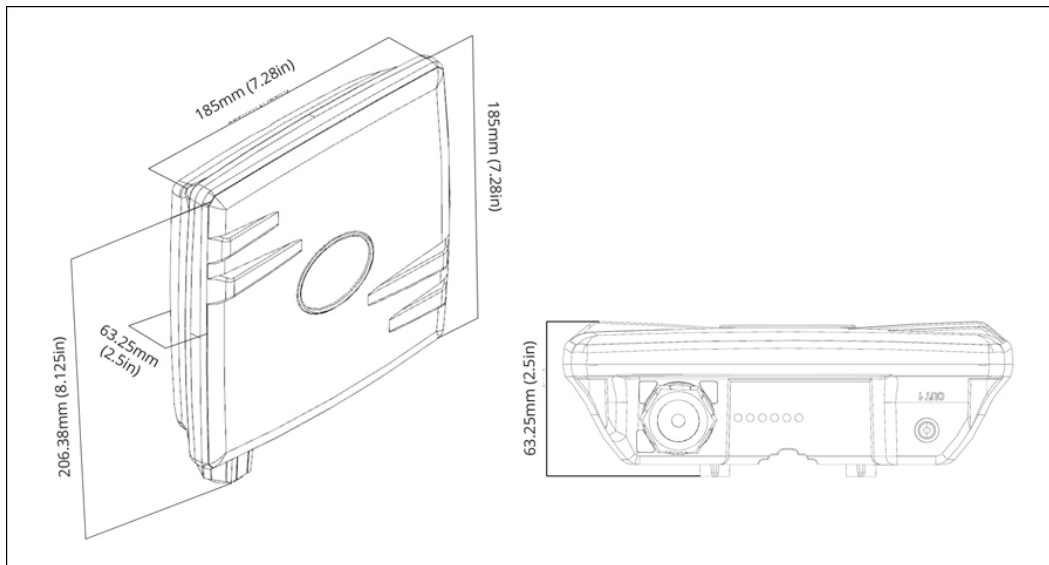
+ 3D Gain - Port 1



+ 3D Gain - Port 2



Dimensions



Ordering Info

+ Model

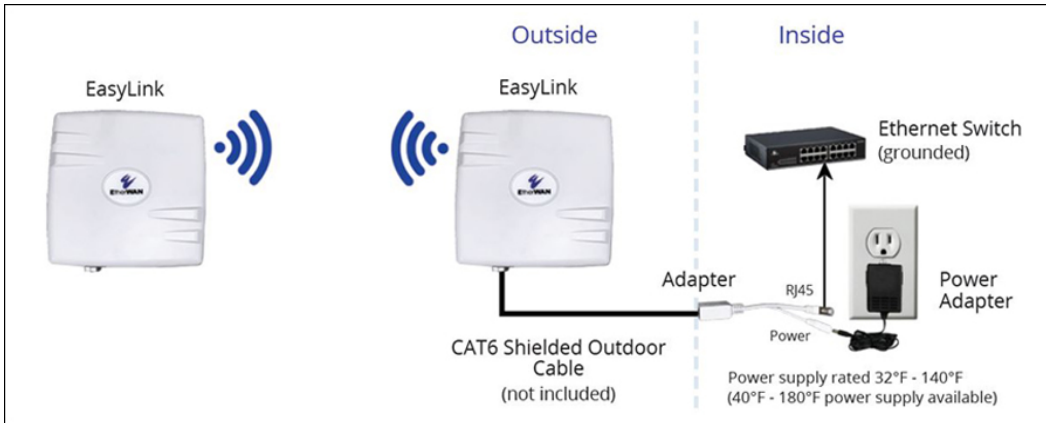
EasyLink-300-US	Wireless Bridge Kit - Two paired Wireless Bridge Units, 2 x 24VDC, 1.5A Power Supplies, 2 x Passive PoE Injectors and 2 x Mounting Kits.
JPole18	18" Wall Mount J-Pole
EasyLink-PSU-INJ	Replacement Power Supply and Gigabit Passive PoE Injector for EasyLink Wireless Bridge Series
Cable 3	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

