

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

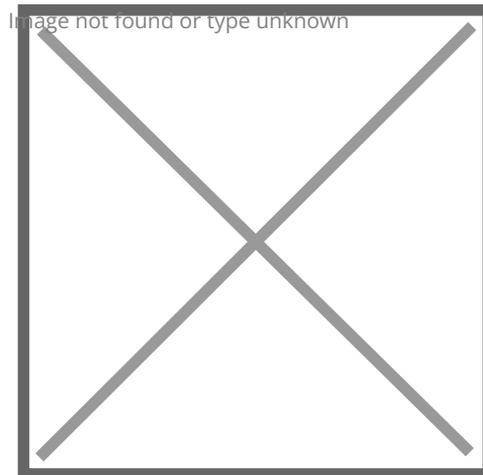
- 2 x SMA Female

Front-to-Back Ratio

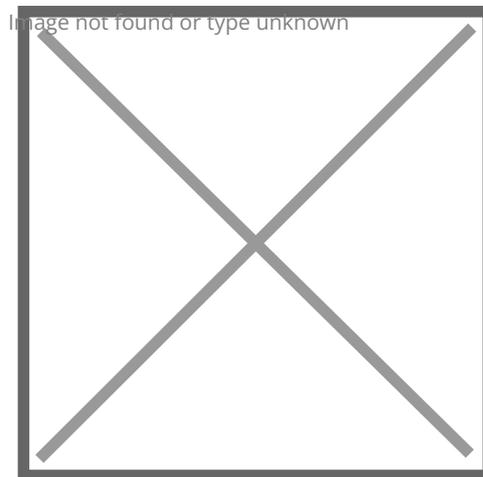
- >20dB

Port-to-Port Isolation

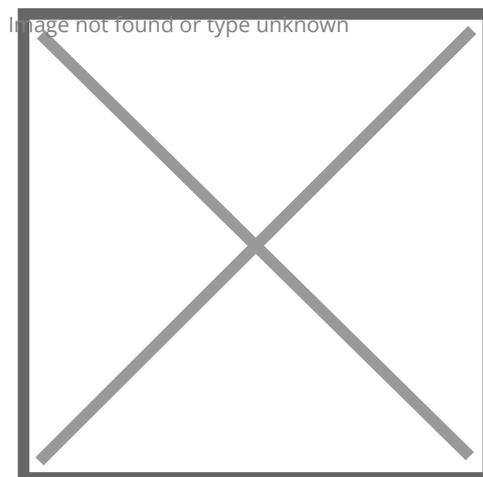
+ Gain - Azimuth & Elevation - Port 1



+ Gain - Azimuth & Elevation - Port 2



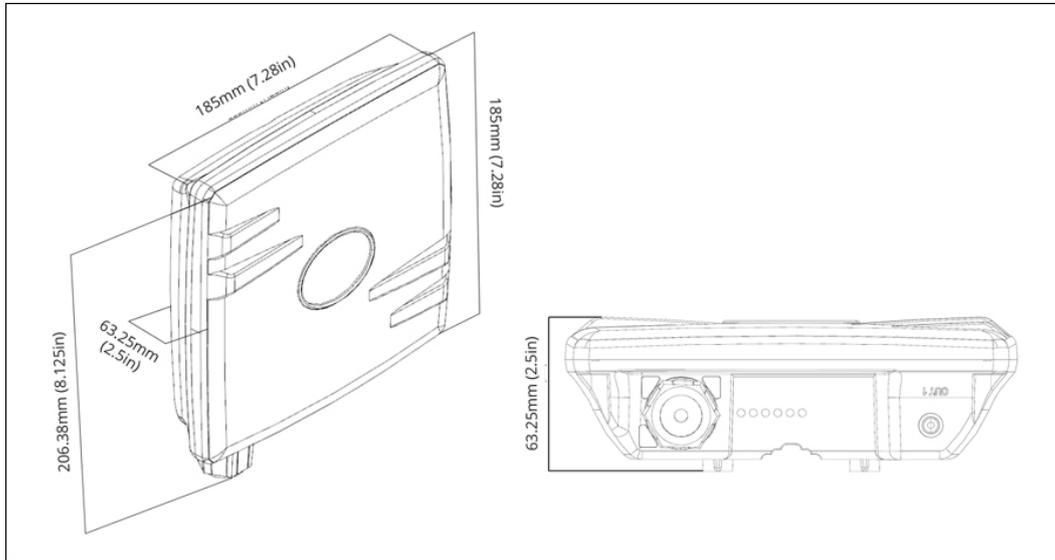
+ 3D Gain - Port 1



+ 3D Gain - Port 2



Dimensions



Ordering Info

+ Model

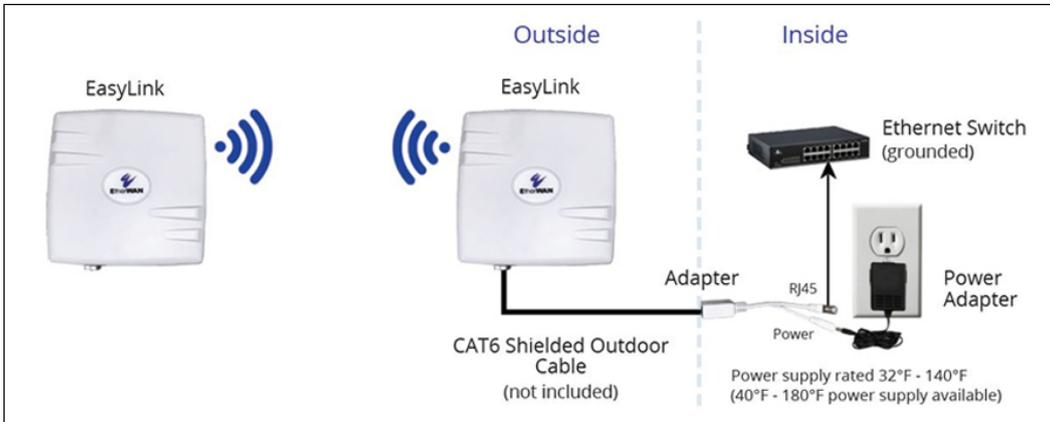
EasyLink-300-US	Wireless Bridge Kit - Two paired Wireless Bridge Units, 2 x 24VDC, 1.5A Power Supplies, 2 x Passive PoE Injectors and 2 x Mounting Kits.
JPole18	18" Wall Mount J-Pole
EasyLink-PSU-INJ	Replacement Power Supply and Gigabit Passive PoE Injector for EasyLink Wireless Bridge Series
Cable 3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

