

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

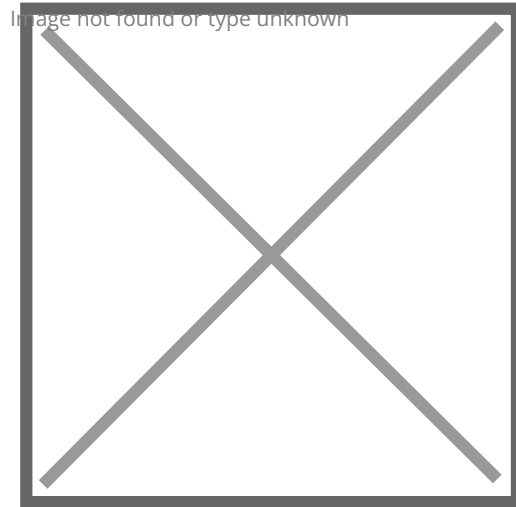
Front-to-Back Ratio

>20dB

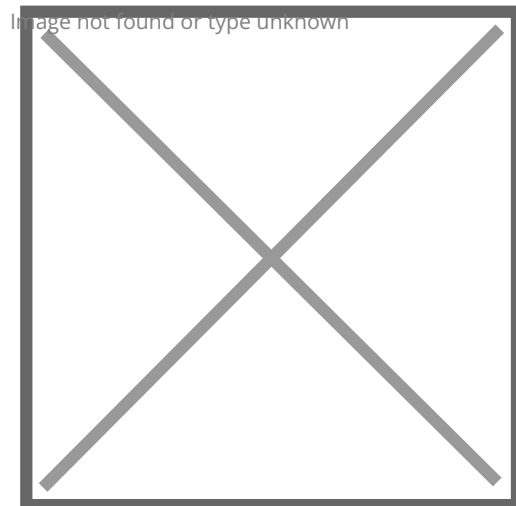
Port-to-Port Isolation

>30dB

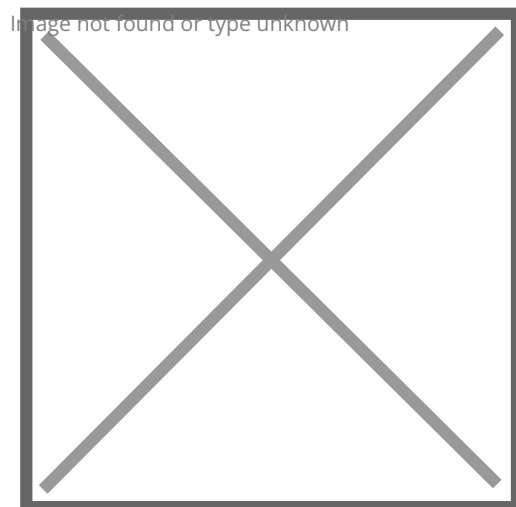
+ Gain - Azimuth & Elevation - Port 1



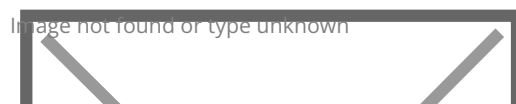
+ Gain - Azimuth & Elevation - Port 2



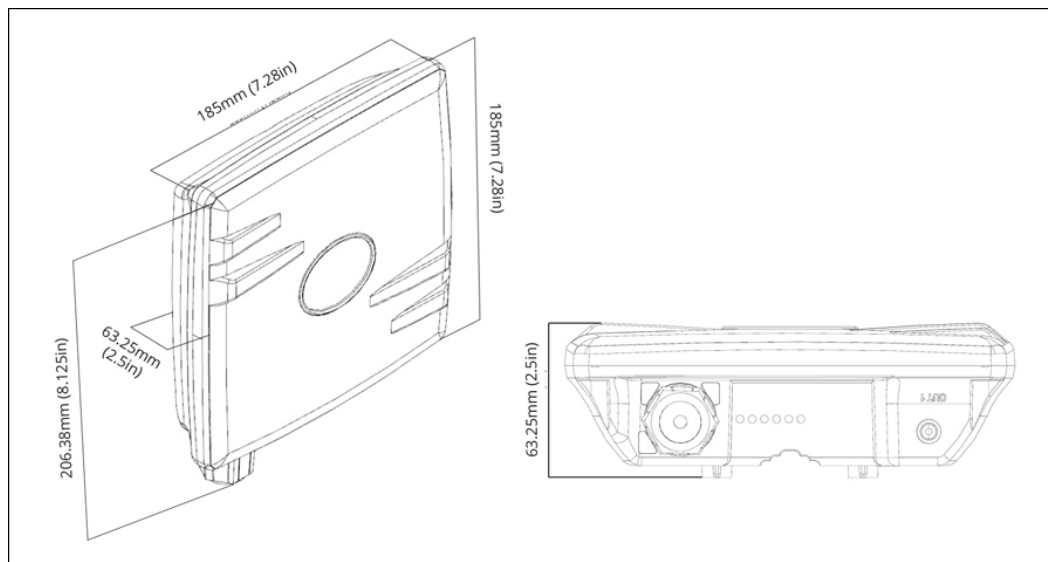
+ 3D Gain - Port 1



+ 3D Gain - Port 2



Dimensions



Ordering Info

+ Model

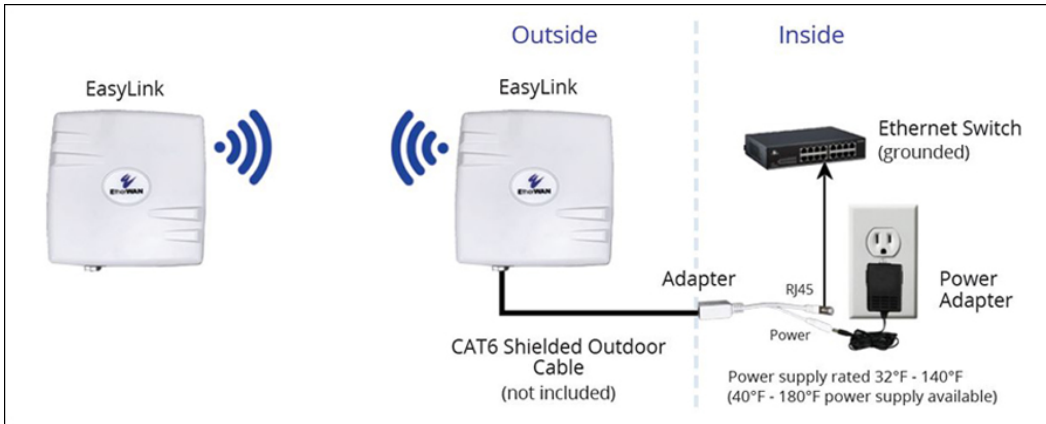
EasyLink-300-US	Wireless Bridge Kit - Two paired Wireless Bridge Units, 2 x 24VDC, 1.5A Power Supplies, 2 x Passive PoE Injectors and 2 x Mounting Kits.
JPole18	18" Wall Mount J-Pole
EasyLink-PSU-INJ	Replacement Power Supply and Gigabit Passive PoE Injector for EasyLink Wireless Bridge Series
Cable 3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

