

Model: GHOSTBRIDGE5

## High Performance Wireless Ethernet Bridge

### Features

- ✓ **Long Range, High Speed Wireless Ethernet Link**
- ✓ **Point and play setup**
- ✓ **Outdoor rated, UV stabilized enclosure**
- ✓ **Integrated 80 degree sector antenna**
- ✓ **Maximum data rate of 150 Mbps**
- ✓ **Up to 15 km line of sight range**
- ✓ **Wide temperature range of -30 to 80°C**
- ✓ **Power, Link and Signal Strength LED's provide instant view of status**
- ✓ **Includes both DC and AC powered PoE adapters**
- ✓ **PoE pass-through Ethernet port to connect local devices such as IP camera**
- ✓ **Preconfigured WPA2 128 bit security**

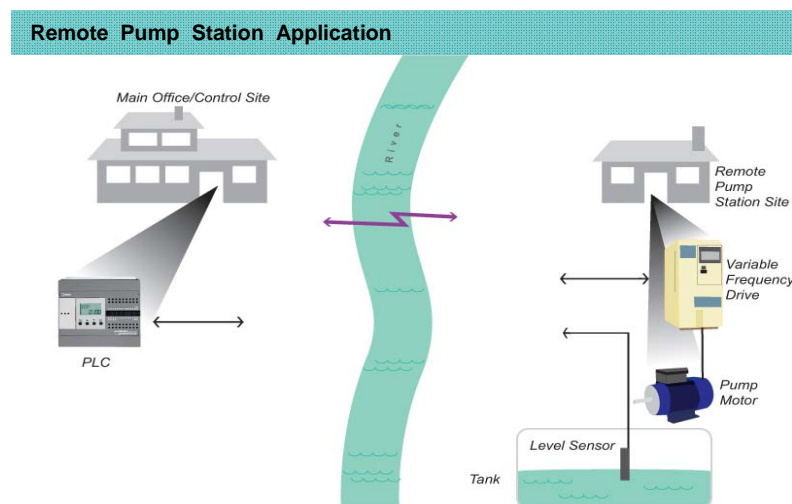


### Functional Description

Seamlessly connect remote devices to your network, or bridge two LAN's together. The GhostBridge provides a high speed wireless Ethernet bridge with zero configuration required. Units are sold as a preconfigured pair and require no further setup. Simply mount it, aim it and plug it in to your network or device using the included PoE adapters.

### Applications

- Water and water treatment
- Warehouse automation
- Security - IP cameras
- Monitoring and Instrumentation



## Specifications

### Ethernet Interface

Ethernet Port 1	RJ45
Ethernet Port 2	RJ45
LED's	Power, LAN1, LAN2, 4 wireless signal strength

### Power

PoE Power	24V PoE powered device through Ethernet port + pins 4,5, - pins 7, 8
Included PoE Injectors	(2) 100-240VAC input @ 50-60 Hz 24V out, 0.5A out PoE injectors (2) DC input PoE injector with 1m power jack to stripped wires
Power	8 Watts maximum power consumption

### RF

Operating Frequency	5470 – 5825 GhostBridge5
TX Power (Avg)	21 – 27 dBm +/- 2dB (varies by mode/conditions)
RX Sensitivity	-74 – 96 dBm +/- 2dB (varies by mode/conditions)
Antenna Type	Integrated 2x2 MIMO. 80 degree sector
Antenna gain	14.6 – 16.1 dBi over 4.9 – 5.9 GHz
Security	Each GhostBridge pair is preconfigured to WPA2 128 bit

### Mechanical

Dimensions	11 x 3.2 x 1.2 in (28 x8 x 3 cm) body 11 x 3.2 x 2.4 in (28 x8 x 6 cm) including built-in brackets
Weight per unit	0.86 lbs (0.4 kg)
Shipping weight	3.0 lbs (1.4 kg)
Mounting	Integrated pole mount, wire ties included Optional wall/pole mount swivel bracket sold separately
Enclosure	IP54. UV Stabilized plastic.

### Environmental

Operating Temperature	-30 to 80°C (-40 to 176°F)
Storage Temp	-40 to 85°C (-40 to 185°F)
Operating Humidity	0 to 95 % (Non-condensing)

### Approvals / Certifications

Emissions	FCC Class B, CISPR Class B (EN55022)
CE	EN61000-6-1:2007
	EN61000-4-2:2008      Electrostatic Discharge
	EN61000-4-3:2006      Radiated Immunity
	EN61000-4-4:2004      Electrical Fast Transients - Burst
	EN61000-4-6:2005      Conducted Immunity
	EN61000-4-11:2004     Voltage Dips and Interruptions
	EN 301 489-1 V1.4.1:    2002-08 Electromagnetic Compatibility
	EN 301 489-17 V1.2.1: 2002-08 Electromagnetic Compatibility
	EN 301 893-1 V1.4.1: 2007 Directive for 5 GHz Radio Equipment
	EN 50385: 002 RF Exposure Limits
	EN 60950-1: 2006 Safety for Information Technology Equipment

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## Ordering Information

Model Number	Description
GhostBridge5	5 GHz Secure Wireless Ethernet Bridge (sold in preconfigured pairs)

## Accessories

GMT25	Swivel wall-mount bracket, sold individually
IASFST	MOCAP silicon installation tape – used to wrap Cat5 cable connection

## Package Contents

- 2 GhostBridge nodes
- 2 110-240 VAC input 24VDC output PoE injectors with AC power cords
- 2 24 VDC input, 24 VDC output PoE injectors with barrel plug adapters
- 4 Heavy duty wire ties
- 1 Quick Start Guide

## Special Configuration Options

While zero configuration is required, the following settings can be configured via the built in web server to address special needs or applications.

Power Output	8 – 27 dBm
Channel Width	5, 10, 20, Auto 20/40 MHz
Country Configuration	Select the country to automatically change RF settings (US default)
Security Protocols	WEP, WPA, WPA-TKIP, WPA-AES, WPA2, WPA2-TKIP, WPA2-AES
Username/Password	Change login information
IP Address	Static and DHCP settings

