

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

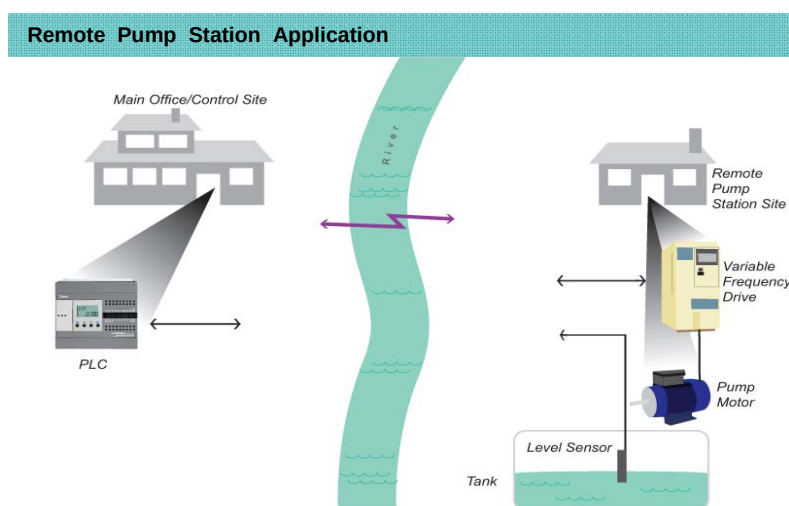


### Functional Description

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



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**International Headquarters:** 707 Dayton Road PO Box 1040 Ottawa, IL 61350 USA  
815-433-5100 Fax 433-5104 [www.bb-elec.com](http://www.bb-elec.com) [orders@bb-elec.com](mailto:orders@bb-elec.com) [support@bb-elec.com](mailto:support@bb-elec.com)

**European Headquarters:** Westlink Commercial Park Oranmore Co. Galway Ireland  
+353 91 792444 Fax +353 91 792445 [www.bb-europe.com](http://www.bb-europe.com) [orders@bb-europe.com](mailto:orders@bb-europe.com) [support@bb-europe.com](mailto:support@bb-europe.com)

## 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<br>(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<br>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<br>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                                            |



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#### Как с нами связаться

**Телефон:** 8 (812) 309 58 32 (многоканальный)

**Факс:** 8 (812) 320-02-42

**Электронная почта:** [org@eplast1.ru](mailto:org@eplast1.ru)

**Адрес:** 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.