# Anybus Wireless Bridge II Int. Ant. - Ethernet

**Item number: AWB3000-B**

The Anybus Wireless Bridge II Ethernet enable you to reduce the cost of cables, due to wear and tear, by using Bluetooth® or Wi-Fi communication. With our high-end point-to-point and multi-point technology you can easily establish a secure wireless connection that will help you to reduce unplanned downtime due to cable replacement.




*Enable secure point-to-point cable replacement using Bluetooth or Wi-Fi*

## Features and benefits

**No more unplanned downtime**

Motion wears out communication cables, connectors, and slip rings leading to unplanned downtime and high cost.

**IT approved**

Anybus Wireless technology enables you to establish a secure wireless connection without interfering with the running network.

**Point -to-point applications**

Ideal for establishing wireless connections to stationary yet moving machines such as cranes, turntables, or robots) or control cabinets in point-to-point setups.

**Industrial Ethernet network connectivity**

Connect to leading TCP/IP-based industrial Ethernet networks, such as BACnet/IP, PROFINET, EtherNet/IP, and Modbus TCP, over Bluetooth and Wi-Fi 2.4 / 5 GHz.

**PROFIsafe Compliance**

The Anybus Wireless Bridge II meets PROFIsafe requirements, ensuring robust and secure wireless communication in industrial settings.

**Insights into your network**

The CLI (Command Line Interface) provides configuration and diagnostic capabilities, offering greater control and insight into your network.

**Industrial design**

Withstands harsh environments thanks to its IP65-rated enclosure and wide operating temperature range. Certified for UL Haz.Loc. Class 1/ Div2 and ATEX Zone 2 (Gas).

**Secure**

Anybus Wireless solutions adhere to all essential international security regulations, providing you and your customer with a sense of security and peace of mind.

**Access Point in multi-point applications**

The versatile bridge can function as an Access Point in multi-point applications, facilitating connections for up to seven clients simultaneously.

**Perfect together!**

Fully compatible with Anybus Wireless Bolt, a wireless product designed for multi-directional applications, enabling you to implement comprehensive wireless infrastructure.

**Easy to get started**

No prior knowledge required due to the simplicity of connecting the bridges. The mode button makes it easy to establish bridge-to-bridge connections.

**Advanced Configuration with AT Commands**

The Anybus Wireless Bridge II supports AT commands, enabling fine-tuned control over modems, communication devices, and hardware components. Customize your network setup with precision.

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## General

| | |
|---|---|
| **Net Width (mm)** | 68 |
| **Net Height (mm)** | 93 |
| **Net Depth (mm)** | 33 |
| **Net Weight (g)** | 150 |
| **Packed Width (mm)** | 11 |
| **Packed Height (mm)** | 4 |
| **Packed Depth (mm)** | 17 |
| **Packed Weight (g)** | 160 |
| **Operating Temperature °C Min** | -30 |
| **Operating Temperature °C Max** | 65 |
| **Storage Temperature °C Min** | -40 |
| **Storage Temperature °C Max** | 85 |
| **Power Consumption (W)** | 1.7W |
| **Content of Delivery** | Quick start documentation, USB configuration cable are included. Configuration software is available for download. |
| **Not Included (in delivery)** | Power supply is not included. |
| **Mounting** | Wall mount |
| **Housing Materials** | Plastic |
| **Packaging Material** | Cardboard |
| **Warranty (years)** | 3 |

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## Identification and Status

| | |
|---|---|
| **Product ID** | AWB3000-B |
| **Model Code** | AWB3AA |
| **Country of Origin** | Lithuania |
| **HS Code** | 8517620000 |
| **Dual Usage** | No |
| **Export Control Classification Number (ECCN) (Applies only to the U.S)** | 5A992.c |

## Physical Features

| | |
|---|---|
| **Connectors / Input / Output** | 1x M12 for Ethernet (4-pin, D-coded) 1x M12 for Power 5-pin, A-coded) |
| **Contains Battery** | No |

## Wireless Features

| | |
|---|---|
| **Antenna** | Included |
| **Frequencies & Bands** | 2.4 GHz Access Point: 1–11 2.4 GHz Client: 1–11 + 12 & 13 depending on regulatory domain scan 5 GHz Access Point: 36–48 (U-NII-1) 5 GHz Client: 36-48 + 100–116, 132–140, 120–128 depending on regulatory domain scan. (UNII-1, U-NII-2, U-NII-2e) |

## Wi-Fi Features

| | |
|---|---|
| **Operation Mode** | Access Point, Client |
| **RF Output Power** | 18 dBm EIRP (including max antenna gain 3 dBi) |
| **Max No. Of Connections, Access Point** | 7 |
| **Security** | WEP 64/128, WPA, WPA-PSK and WPA2, TKIP and AES/CCMP, LEAP, PEAP including MS-CHAP |

## Bluetooth Features

| | |
|---|---|
| **Operation Mode** | Access Point, Client |
| **RF Output Power** | 14 dBm EIRP (including max antenna gain 3 dBi) |
| **Max No. Of Connections** | 7 |
| **Bluetooth Version** | Classic Bluetooth v2.1 |
| **Security** | Authentication & Authorization, Encryption & Data Protection, Privacy & |

# Anybus Wireless Bridge II Int. Ant. - Ethernet



## Bluetooth Low Energy Features

| | |
|---|---|
| **Operation Mode (LE)** | Access Point, Client |
| **RF Output Power (LE)** | 10 dBm EIRP (including max antenna gain 3 dBi) |
| **Max No. Of Connections (LE)** | 7 |
| **Bluetooth Version (LE)** | Bluetooth v4.0 |
| **Security (LE)** | AES-CCM cryptography |

## Certifications and Standards

| | |
|---|---|
| **Protection Class IP** | IP65 |
| **Product Certifications** | CE, FCC, UL, ATEX , CE (RED/EMC) |
| **Environment** | EN 61000-6-2:2019 EN 61000-4-2:2009 EN 61000-4-3:2006 + A1:2008 + A2:2010 EN 61000-4-4:2012 EN 61000-4-5:2014 EN 61000-4-6:2014 EN 61000-6-4:2019 EN 55016-2-3:2017 EN 55032:2015 EN 301 489-1 V2.2.3 EN 301 489-17 V3.1.1 |
| **WEEE Category** | IT and telecommunications equipment |
| **Approved Radio Certificates (Country)** | Europe, USA, Canada, Japan, Australia, Colombia, Turkey, Malaysia, Peru, Mexico, Argentina, Brazil, India, Philippines, South Africa, Korea |