

## Anybus Wireless Bridge II Ext. Antenna - CAN

Item number: AWB3016-B

The Anybus Wireless Bridge II CAN 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.
- ✓ **Perfect together!**  
Fully compatible with Anybus Wireless Bolt, a wireless product designed for multi-directional applications, enabling you to implement comprehensive wireless infrastructure.
- ✓ **Industrial design**  
Withstands harsh environments thanks to its IP66/67-rated enclosure and wide operating temperature range.
- ✓ **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.
- ✓ **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.
- ✓ **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.
- ✓ **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.



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## General

|                              |                                                     |
|------------------------------|-----------------------------------------------------|
| Net Width (mm)               | 68                                                  |
| Net Height (mm)              | 93                                                  |
| Net Depth (mm)               | 33                                                  |
| Net Weight (g)               | 105                                                 |
| Packed Weight (g)            | 185                                                 |
| 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 Power supply not included |
| Mounting                     | Wall mount                                          |
| Housing Materials            | Plastic                                             |
| Packaging Material           | Cardboard                                           |
| Warranty (years)             | 3                                                   |

## Identification and Status

|                   |            |
|-------------------|------------|
| Product ID        | AWB3016-B  |
| Country of Origin | Sweden     |
| HS Code           | 8517620000 |
| Dual Usage        | No         |



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## Physical Features

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

## Wireless Features

|                     |                                                                                                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Antenna Connector   | RP-SMA                                                                                                                                                                                                                                             |
| 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 & Confidentiality, NIST Compliant, FIPS Approved |

## 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                           |



# Anybus Wireless Bridge II Ext. Antenna - CAN

| 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<br>EN 61000-4-4:2012 EN 61000-4-5:2014 EN 61000-4-6:2014 EN 61000-6-4:2019<br>EN 55016-2-3:2017 EN 55032:2015 EN 301 489-1 V2.2.3 EN 301 489-17 V3.1.1 |
| Approved Radio Certificates (Country) | Europe, USA, Canada, Japan, Australia, Colombia, Turkey, Malaysia, Peru, Mexico, Argentina, Brazil, India, Philippines, South Africa, Korea                                                                                      |