

Anybus Wireless Bridge II Ext. Ant. - Ethernet

Item number: AWB3010-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.

✓ **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.

✓ **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.

✓ **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.



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General	
Net Width (mm)	68
Net Height (mm)	93
Net Depth (mm)	33
Net Weight (g)	151
Packed Width (mm)	11
Packed Height (mm)	4
Packed Depth (mm)	17
Packed Weight (g)	175
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	AWB3010-B



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Identification and Status

Country of Origin	Lithuania
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	5A992.c

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
Net Data Throughput	20Mbps

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 &



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Bluetooth Features

Net Data Throughput	~1 Mbps
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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
Net Data Throughput (LE)	~200 kbps

Certifications and Standards

Protection Class IP	IP65
CE	Yes
FCC	Yes
UL	Yes
ATEX	Yes
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
RED	Yes
Approved Radio Certificates (Country)	Europe, USA, Canada, Japan, Australia, Colombia, Turkey, Malaysia, Peru, Mexico, Argentina, Brazil, India, Philippines, South Africa, Korea