Anybus Wireless Bridge II Int. Ant. - Serial

Item number: AWB3005-B

The Anybus Wireless Bridge II Serial 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)	104
Packed Weight (g)	174
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	AWB3005-B
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

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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 & 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

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

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Certifications and Standards

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