Anybus Wireless Bolt Serial - Black version

Item number: AWB2010-B

The Anybus Wireless Bolt Serial - Black connects serial machines to wireless networks via Bluetooth® or Wi-Fi. Designed for multi-directional applications, it's ideal for establishing wireless connections with roaming machines, such as AGVs or control cabinets from any angle. It also works as a Modbus-TCP to Modbus-RTU router.



Connect serial machines in multi-directional applications via Bluetooth or Wi-Fi

Features and benefits

Industrial design

Withstands harsh environments thanks to its IP66/67-rated enclosure and wide operating temperature range. Certified for UL Haz.Loc. Class 1/ Div2 and ATEX Zone 2 (Gas).

Modbus protocol routing

Works as a router for Modbus-TCP to Modbus-RTU enabling transparent access to all your existing serial Modbus devices.

Easy access to data

Wirelessly connect to the Anybus Bolt and easily access the machine or cabinet. Configure the PLC or machine without halting or hindering production.

All-in-one wireless communication

All-in-one package featuring a connector, communication processor, and integrated antenna in the same unit.

Low total cost of ownership

Thanks to the integrated design of the antenna and communication module, there's no need for additional antenna or accessory purchases.

Easy to configure

Establish a wireless connection in seconds thanks to the intuitive web-based interface.

Serial to TCP/IP data conversion

Converts RS232/RS485 data to TCP/IP data.

Access Point in multi-point applications

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

Quick start up and high determinism

Ideal for connecting field-level devices that require short start-up times and high determinism.

Perfect together!

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

Easy to install

Attach the Wireless Bolt directly onto cabinets or machines to look like an integrated part of the installation. Or use the Bolt Base Protector mounting kit to install it on a pole, wall, or similar.

Insights into your network

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

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General

Related Accessories	024709-B,024708-B,024704-B,024703-B
Net Weight (g)	85
Net Dimensions (mm)	68 x 75 (Ø X H) Height above mounting surface: 42.
Packed Width (mm)	13
Packed Height (mm)	8
Packed Depth (mm)	12
Packed Weight (g)	185
Operating Temperature °C Min	-40
Operating Temperature °C Max	65
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Power Consumption (W)	1.7
Input Voltage (V)	9-30
Power Connector	3-pole
Reverse Polarity Protection	Yes
Content of Delivery	Anybus Wireless Bolt Serial, including 18-pin connector, and 1x Installation guide.
Housing Materials	Plastic
Packaging Material	Cardboard
Warranty (years)	3

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Identification and Status

Product ID	AWB2010-B
Model Code	AWB2AB
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN) (Applies only to the U.S)	5A992.c

Physical Features

Connectors / Input / Output	18-pin connection
Contains Battery	No

Wi-Fi Features

Operation Mode	Access Point, Client
RF Output Power	18 dBm EIRP (including antenna gain 3dBi)
Max No. Of Connections, Access Point	7
Security	WPA2 Personal; WPA2 Enterprise
Net Data Throughput	20 Mbps

Bluetooth Features

Operation Mode	Access Point, Client
Max No. Of Connections	7
Bluetooth Version	Classic Bluetooth v2.1
Net Data Throughput	20 Mbps

Bluetooth Low Energy Features

Operation Mode (LE)	Access Point, Client
RF Output Power (LE)	14 dBm EIRP (including max antenna gain 3 dBi)

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Bluetooth Low Energy Features

Max No. Of Connections (LE)	7
Bluetooth Version (LE)	Bluetooth v4.0
Net Data Throughput (LE)	1Mbps

Certifications and Standards

Protection Class IP	IP66, IP67
CE	Yes
FCC	Yes
IC	Yes
UL	Yes
ATEX	Yes
Vibration and Shock	Sinosodial vibration test according to IEC 60068-2-6:2007 and with extra severities; Number of axes: 3 mutually perpendicular (X:Y:Z), Duration: 10 sweep cycles in each axes, Velocity: 1 oct/min, Mode: in operation, Frequency: 5-500 Hz, Displacement ±3.5 mm, Acceleration: 2g. Shock test according to IEC 60068-2-27:2008 and with extra severities; Wave shape: half sine, Number of shocks: ±3 in each axes, Mode: In operation, Axes ± X,Y,Z, Acceleration: 30 m/s2 , Duration: 11 ms.
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