

Anybus Wireless Bolt CAN - Black version

Item number: AWB2020-B

The Anybus Wireless Bolt CAN - Black connects CAN-based 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.



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

Features and benefits

- ✓ **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.
- ✓ **Versatile baud rate support**
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. Choose the white top Sunbolt option for 30% better protection against higher temperatures.
- ✓ **Industrial design**
Withstands harsh environments due to its IP66/67-rated enclosure and wide operating temperature range. Choose the white top Sunbolt option for 30% better protection against higher temperatures.
- ✓ **Easy to configure**
Establish a wireless connection in seconds thanks to the intuitive web-based interface.
- ✓ **Flexible CAN data management**
Customize your data with up to 28 freely adjustable CAN receive pass-through filters, providing precise control over incoming CAN messages for tailored and efficient communication.
- ✓ **Designed for multi-directional applications**
Ideal for establishing wireless connections to roaming machines, such as AGVs, or to control cabinets from any angle.
- ✓ **Quick start up and high determinism**
Ideal for connecting field-level devices that require short start-up times and high determinism.
- ✓ **CAN to TCP/IP data conversion**
Converts CAN 2.0A/B (11/29-bit identifier) data to TCP/IP, supporting protocols such as J1939 and CANopen, and enables the transparent transfer for any CAN protocol.
- ✓ **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

Net Weight (g)	85
Net Dimensions (mm)	68 x 75 (Ø X H) Height above mounting surface: 42.
Packed Width (mm)	12
Packed Height (mm)	8
Packed Depth (mm)	13
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
Housing Materials	Plastic
Packaging Material	Cardboard

Identification and Status

Product ID	AWB2020-B
Model Code	AWB2AC
Country of Origin	Sweden

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Identification and Status

HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	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

Bluetooth Features

Operation Mode	Access Point, Client
Max No. Of Connections	7
Bluetooth Version	Classic Bluetooth v2.1

Bluetooth Low Energy Features

Operation Mode (LE)	Access Point, Client
RF Output Power (LE)	14 dBm EIRP (including max antenna gain 3 dBi)
Max No. Of Connections (LE)	7
Bluetooth Version (LE)	Bluetooth v4.0

Certifications and Standards

Protection Class IP	IP66, IP67
CE	Yes
FCC	Yes

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Certifications and Standards

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 $\pm X,Y,Z$, Acceleration: 30 m/s ² , 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