Anybus Wireless Bolt CAN

Item number: AWB2021-B-10PACK

The Anybus Wireless Bolt Serial 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**

Supports a wide range of baud rates (10 to 1000 kbps) and allows individual customization in multi-node networks for optimal performance and adaptation to diverse communication needs.

✓ **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.

Anybus Wireless Bolt CAN

General

Net Weight (g)	940
Net Dimensions (mm)	68 x 75 (Ø X H) Height above mounting surface: 42.
Packed Weight (g)	940
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
Housing Materials	Plastic
Packaging Material	Cardboard

Identification and Status

Product ID	AWB2021-B-10PACK
Model Code	AWB2AC
Country of Origin	Sweden
HS Code	8517620000
Export Control Classification Number (ECCN)	5A992.c
Supply Risk Factor ERP	Volume not defined yet

Physical Features

Connectors / Input / Output	RJ45, 3-pole screw connection

Anybus Wireless Bolt CAN

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)
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
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