



Anybus Wireless Bolt CAN

Item number: AWB2020-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.



Anybus无线CAN

产品概述

Anybus无线CAN产品是一款专为工业现场设计的CAN总线转无线通信设备，支持蓝牙和Wi-Fi两种无线连接方式，可实现CAN总线与无线网络的无缝对接。

通过无线CAN实现多方向应用

特点与优势

- **低总拥有成本**
产品采用一体化设计，集成了天线和通信模块，无需额外购买天线或配件，降低了总拥有成本。
- **灵活的CAN数据管理**
支持高达28个可自由调节的CAN接收滤波规则，可对接收到的CAN消息进行精确过滤，实现定制化和高效的通信。
- **支持多方向应用**
适用于建立与漫游设备（如AGV）或控制柜的无线连接，无论从哪个角度都能轻松实现连接。
- **快速启动和高确定性**
专为连接现场级设备而设计，要求启动时间短且具有高确定性。
- **易于安装**
可将无线螺栓直接安装在控制柜或机器上，使其看起来像是安装的一部分。或使用螺栓底座保护器安装套件将其安装在杆、墙或类似位置。

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	AWB2020-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

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
Vibration and Shock	Sinosoidal 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

