

## Anybus Wireless Bolt - Ethernet RJ45 PoE - Black version



Item number: **AWB2030-B**

The Anybus Wireless Bolt Ethernet RJ45 PoE - Black connects Ethernet-based machines to wireless networks via Bluetooth<sup>®</sup>, Bluetooth Low Energy, 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. PoE support simplifies installation.

*Enable wireless industrial communication 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.
- ✓ **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.
- ✓ **Supports Industrial Ethernet, TCP, & UDP protocols**  
Communicates over Industrial Ethernet, supporting protocols such as BACnet/IP, PROFINET, EtherNet/IP, Modbus TCP, as well as all TCP and UDP-based protocols.
- ✓ **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.
- ✓ **High-speed, roaming, dual network bridging**  
Provides fast roaming (IEEE 802.11r) and high link speeds (IEEE 802.11n). Simultaneous Bluetooth and Wireless LAN operation allows bridging between the two networks for enhanced connectivity.
- ✓ **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. Use a single cable for both power and communication with Power over Ethernet (PoE).
- ✓ **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.
- ✓ **Perfect together!**  
Fully compatible with Anybus Wireless Bridge, a wireless product designed for point-to-point applications, enabling you to implement comprehensive wireless infrastructure.

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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)	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)	19-36
Power over Ethernet (PoE)	37-57 V
Power Connector	3-pole
Reverse Polarity Protection	Yes
Housing Materials	Plastic
Packaging Material	Cardboard

## Identification and Status

Product ID	AWB2030-B
Model Code	AWB2BA

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## Identification and Status

Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	5A992.c

## Physical Features

Connectors / Input / Output	RJ45, 3-pole screw 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

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## Certifications and Standards

<b>FCC</b>	Yes
<b>IC</b>	Yes
<b>UL</b>	Yes
<b>ATEX</b>	Yes
<b>Vibration and Shock</b>	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/s <sup>2</sup> , Duration: 11 ms.
<b>Environment</b>	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
<b>WEEE Category</b>	IT and telecommunications equipment