Anybus Wireless Bolt LTE EMEA - White version

Item number: AWB1501-B

The Anybus Wireless Bolt LTE EMEA - White is an industrial-grade router designed to provide high-speed transparent internet access to both stationary and mobile industrial machines. Utilizing LTE (4G) with 3G fallback, it enables comprehensive remote monitoring and analysis, increasing system uptime and reducing maintenance costs.



Connects industrial machines to 4G and or 3G networks.

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.

Fast data transfer

Download up to 100 Mbit/s, Upload up to 50 Mbit/s.

Cellular access for top-level machines

Ideal for providing cellular access to machines on the enterprise or management levels within the automation pyramid.

Built-in software

Includes a firewall, NAT, DHCP server, and GNSS satellite positioning function (GPS, GLONASS, Galileo, and BeiDou).

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.

Secure LTE connectivity with 3G fallback

Provides secure LTE Cat-4 connectivity for 4G networks with 3G fallback. The Nano SIM-card slot allows users to utilize any locally available SIM-card supporting LTE Cat-4.

Compatible with any TCP or UDP-based protocol

Transparently transfer data across any TCP or UDP-based protocol, including MQTT and OPC UA.

All-in-one wireless communication

All-in-one package featuring a connector, communication processor, and integrated dual antenna in the same unit. Use a single cable for both power and communication with Power over Ethernet (PoE).

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,024707-B,AWB4006-B
Net Weight (g)	100
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)	235
Operating Temperature °C Min	-40
Operating Temperature °C Max	65
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Power Consumption (W)	3.2
Input Voltage (V)	11-33
Power over Ethernet (PoE)	37-57 V
Power Connector	3-pole
Reverse Polarity Protection	Yes
Content of Delivery	Anybus Wireless Bolt LTE with 3-pin power screw connector. Quick start Guide, Safety & Compliance sheet.
Housing Materials	Plastic
Packaging Material	Cardboard

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General

Warranty (years)	3

Identification and Status

Product ID	AWB1501-B
Model Code	AWB1BB
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No

Physical Features

Connectors / Input / Output	RJ45, 3-pole screw connection
Contains Battery	No

Wireless Features

Cellular Standards	LTE, Fallback 3G
Cellular Dataspeeds	Down: 100 Mbit/s, Up: 50Mbit/s
GNSS	GPS, GLONASS, Galileo, BeiDou
Frequencies & Bands	B1, B3, B7, B8, B20, B28

Certifications and Standards

Protection Class IP	IP66, IP67
Product Certifications	CE, FCC, IC, UL, CE (RED/EMC)
Vibration and Shock	Sinusoidal 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 Waveshape: half sine Number of shocks: ±3 in each axes Mode: In operation, Axes ± X,Y,Z Acceleration: 30 m/s^2 Duration: 11 ms.
Environment	EN 301 489-1:2019 (V2.2.3) EN 61000-4-2:2009 EN 61000-4-3:2020 EN 61000-4-4:2012 EN 61000-4-5:2014/A1:2017 EN 61000-4-6:2014 EN 55032:2015 + C1
WEEE Category	IT and telecommunications equipment