



Anybus Tunnel Gateway

Item number: AWB5300-A

The Anybus Tunnel Gateway establishes a direct connection between industrial control systems and devices to a 5G core network. It serves as a bridge, linking Industrial Ethernet networks, including EtherNet/IP and PROFINET, over 5G to the Anybus Wireless Bolt 5G.

Enable wireless industrial communication via 5G

Features and benefits

✓ Network Support

Support for EtherNet/IP (including CIP Safety) and PROFINET (including PROFI SAFE).

✓ WAN port towards 5G Core Network

Connect the 5G core to the WAN port, enabling the Anybus Gateway to link with Wireless Bolt 5G. This forms a unified Industrial Ethernet network for optimal PROFINET and EtherNet/IP performance over 5G.

✓ Industrial components

Industrial components ensure the reliable operation of the Tunnel Gateway in harsh environments.

✓ Compatible with Wireless Bolt 5G

Pairing Anybus Wireless Bolt 5G with the Anybus Tunnel Gateway enable a seamless industrial network architecture over 5G.

✓ LAN switch towards control system

The 4-port LAN switch facilitates the connection of industrial control systems and devices to the Anybus Tunnel Gateway.

✓ Industrial Ethernet tunnel

To ensure PROFINET and certain EtherNet/IP functions (like device discovery and LLDP) operate on a 5G network, it's necessary to bridge low-level (layer 2) communication across the 5G network (layer 3). This is accomplished using an industrial ethernet tunnel.

✓ Web configuration

Use the intuitive web-based user interface to easily configure the product via the drag-and-drop functionality or to analyze live data, export log files, and generate support packages.



General

Net Weight (g)	400
Packed Width (mm)	46
Packed Height (mm)	107
Packed Depth (mm)	79
Packed Weight (g)	400
Operating Temperature °C Min	0°C
Operating Temperature °C Max	+55 °C
Storage Temperature °C Min	-20 °C
Storage Temperature °C Max	+60 °C
Relative Humidity	5 % to 85 % relative humidity, non-condensing
Current Consumption Max value at Vcc nom (mA)	0.4 A
Input Voltage (V)	24 VDC ± 15%
Reverse Polarity Protection	Yes
Short Circuit Protection	Yes
Content of Delivery	Gateway, Power connector, Installation sheet
Not Included (in delivery)	Power supply
Housing Materials	Steel
Packaging Material	Cardboard
Warranty (years)	3



Identification and Status

Product ID	AWB5300-A
Model Code	HGP 140
Country of Origin	Sweden
HS Code	8517620000
Dual Usage	No
Export Control Classification Number (ECCN)	EAR99

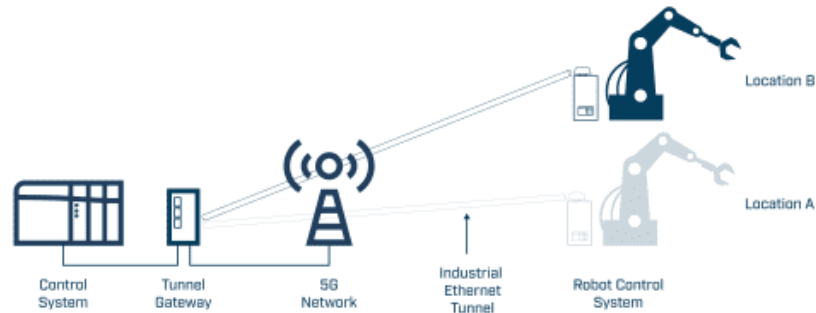
Physical Features

Contains Battery	No
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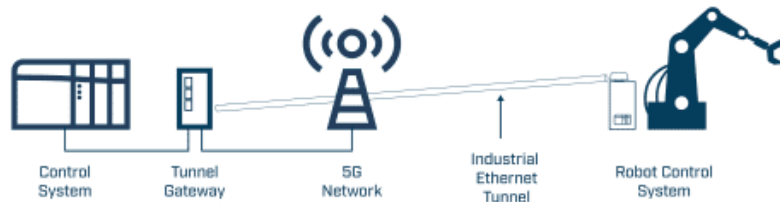
Certifications and Standards

Protection Class IP	IP20
Nema Rating	1
CE	Yes
UL	Yes
UL Information	E214107
Environment	EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 55016-2-3
Waste Certification (WEEE)	Yes
WEEE Category	IT and telecommunications equipment

Use Case



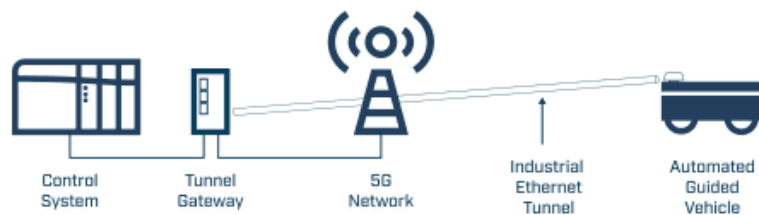
Our solution enables factories to reorganize layouts and relocate machines without the hassle of installing new cables.



Whether it's robotic arms, conveyors, or other machinery, 5G connectivity ensures efficient and flexible operations.

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Use Case



AGVs rely on seamless communication for navigation, safety, and coordination within factory premises.