



anybus AWB5141 Wireless Access Point Instruction Manual

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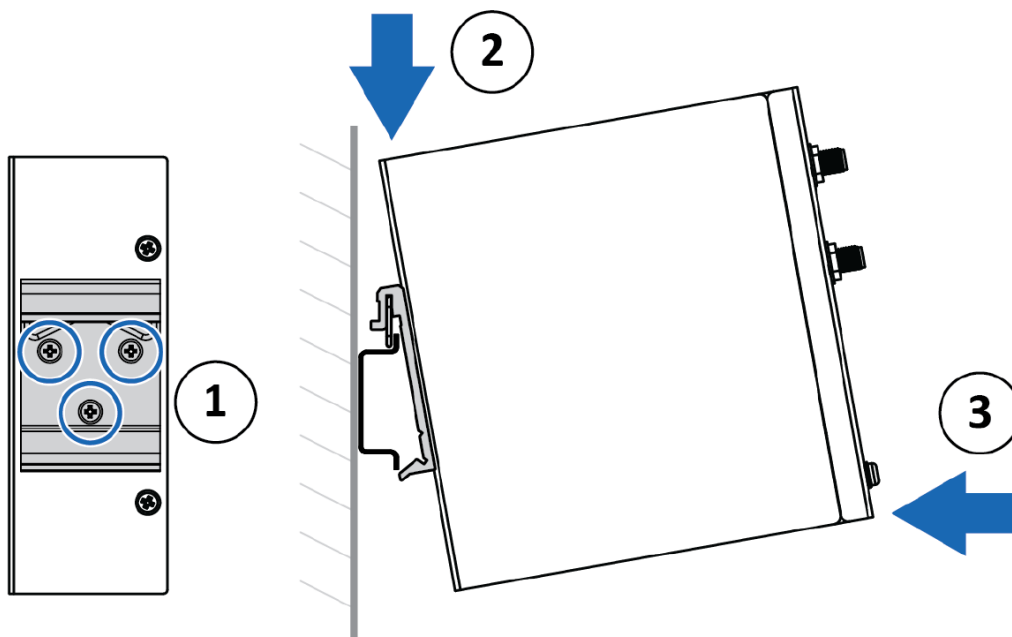
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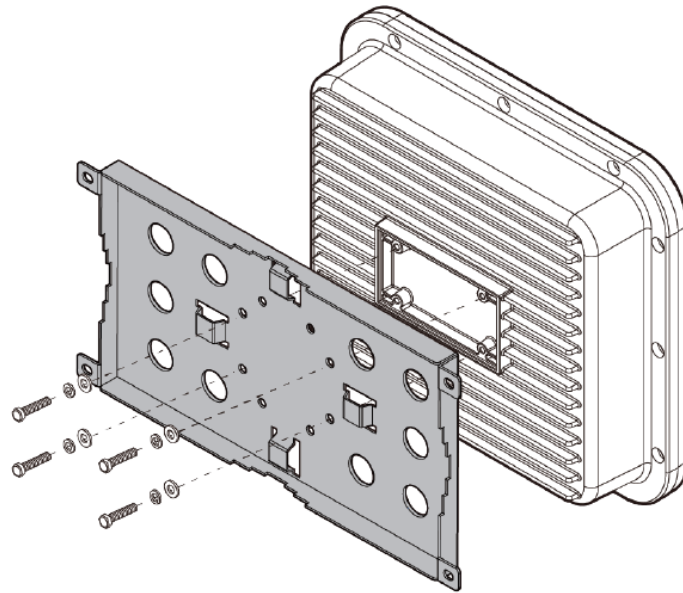
anybus AWB5141 Wireless Access Point



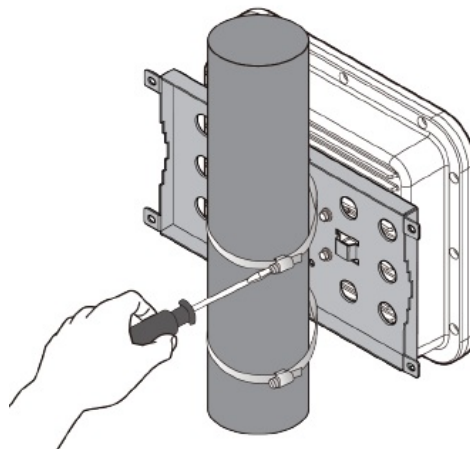
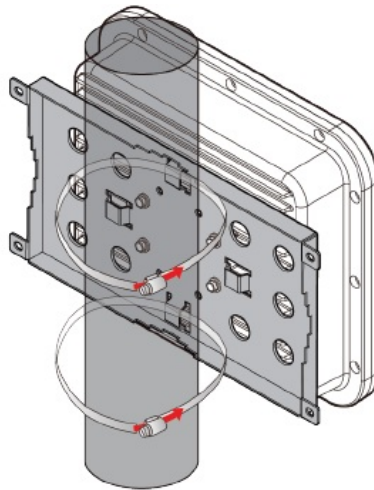
AWB5141



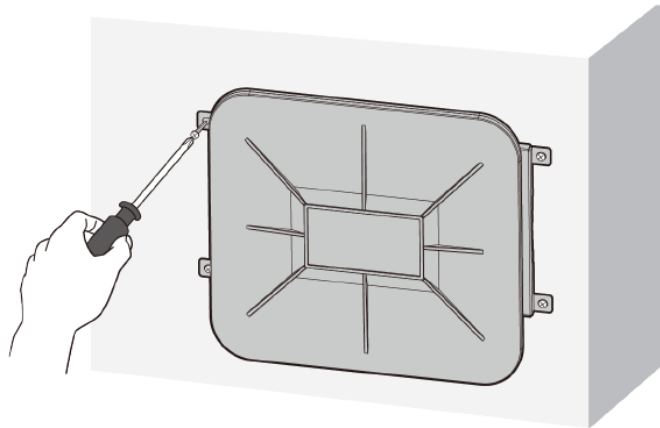
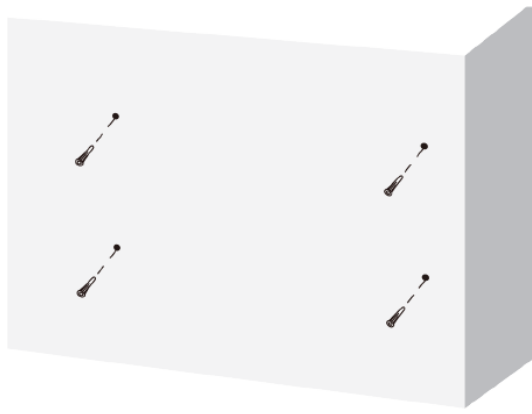
AWB5142



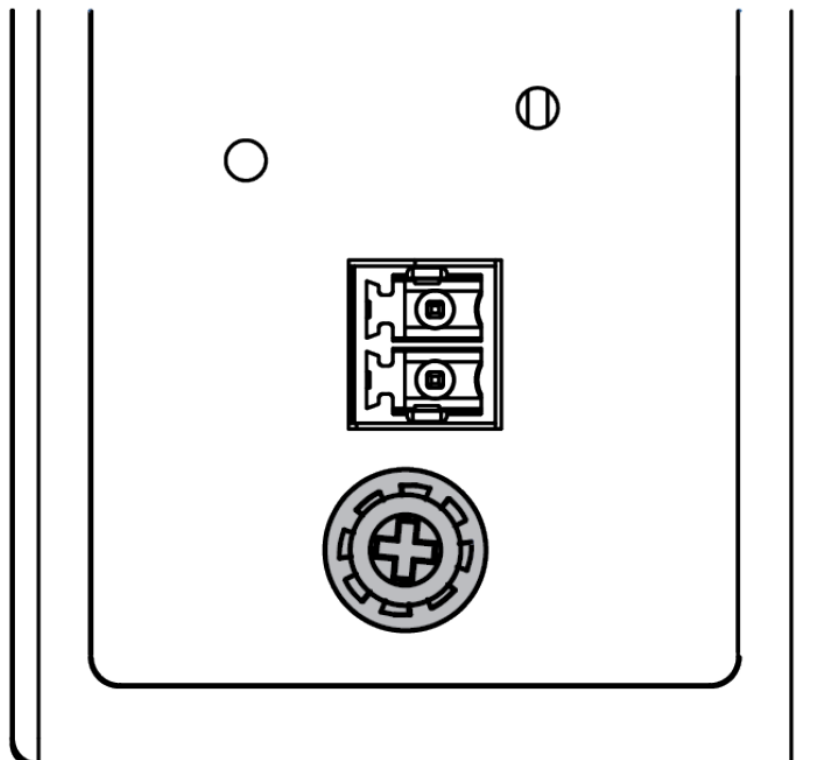
Pole Mount Option

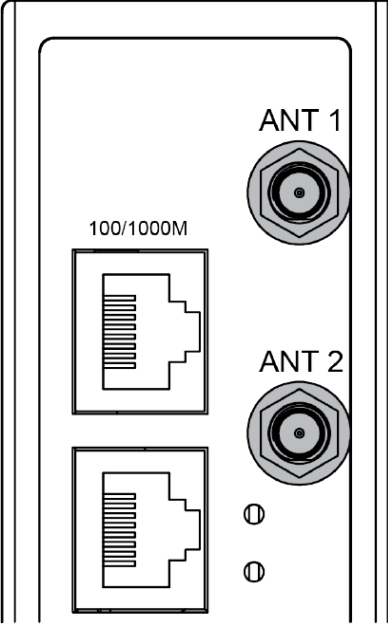
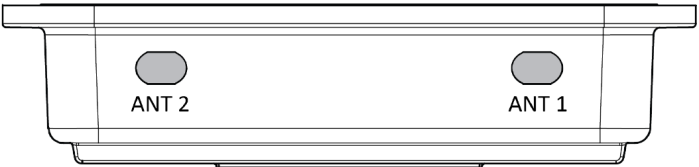


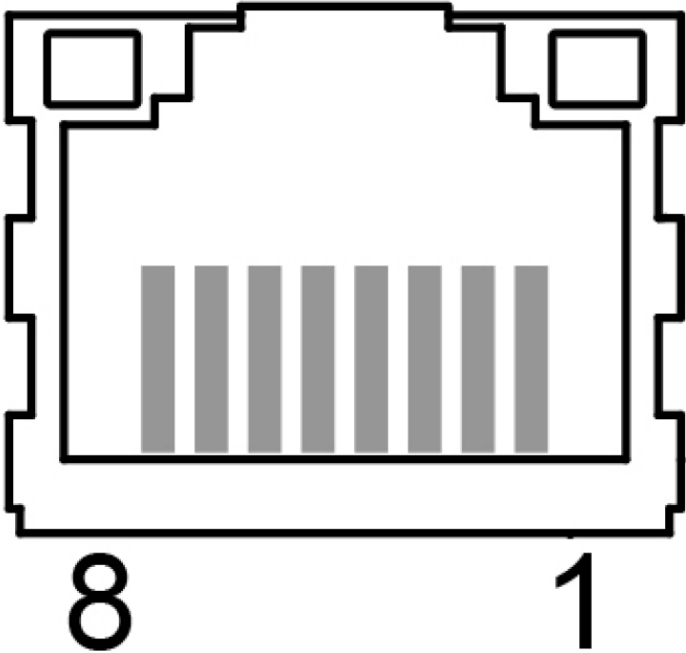
Wall Mount Option



AWB5141

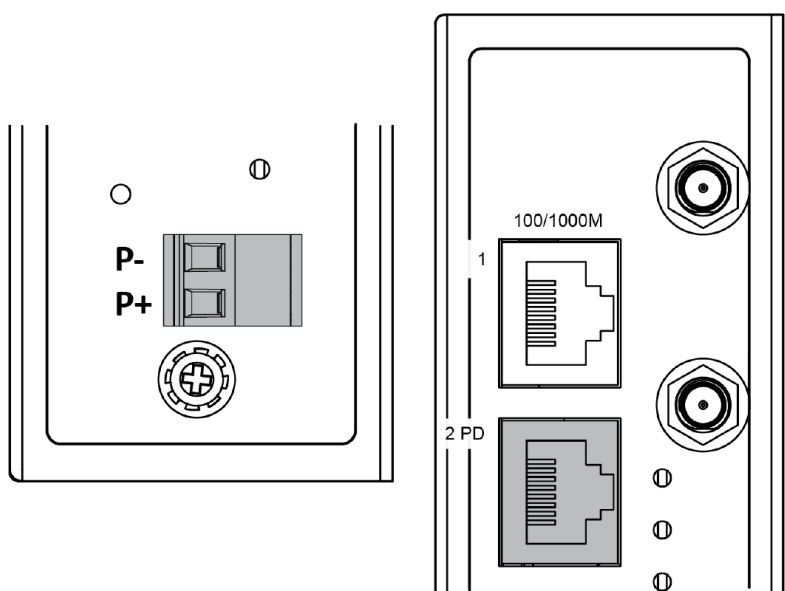


Antenna Connectors			
AWB5141		AWB5142	
			
ANT 1	WLAN 1, RP-SMA connector, female	ANT 1	WLAN 1, N-type connector, female
ANT2	WLAN 2, RP-SMA connector, female	ANT2	WLAN 2, N-type connector, female



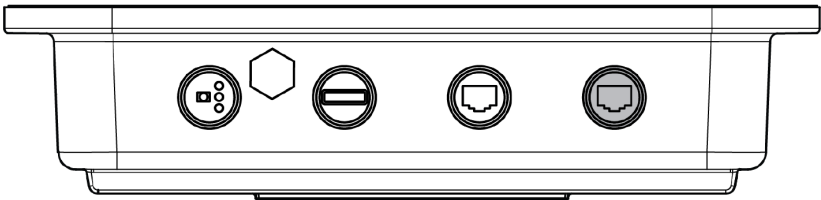
RJ45	10/100 Mbit/s	1 Gbit/s
1	TD+	DA+
2	TD-	DA-
3	RD+	DB+
4	(N/C)	DC+
5	(N/C)	DC-
6	RD-	DB-
7	(N/C)	DD+
8	(N/C)	DD-

Power and PoE Connectors
AWB5141



P-	10-60 VDC, max. 11.5 W
P+-	
2 PD	48 VDC, max 11.5 W IEEE 802.3af PD

AWB5142



WAN/PoE 1 Gbit/s
PoE enabled according to 802.3af P.D.

Safety and Compliance Information

General Safety Instructions

Caution

Ensure that the power supply is turned off before connecting it to the equipment.

Connecting power with reverse polarity or using the wrong type of power supply may damage the equipment. Make sure that the power supply is connected correctly and of the recommended type.

This equipment contains parts that can be damaged by electrostatic discharge (ESD). Use ESD prevention measures to avoid damage.

To avoid system damage, the equipment should be connected to ground.

Intended Use

The intended use of this equipment is to provide wireless LAN connectivity. The equipment receives and transmits data on various physical levels and connection types.

If this equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.

Radio Regulations

To comply with the European Radio Equipment Directive (RED) and local radio regulations you must configure the country/region settings before the equipment is brought into use. Refer to the user manual for instructions on how to configure the country/region settings.

Installation

Installing AWB5141 IP30 Version

1. Mount the device on a standard DIN rail using the included DIN clip.
2. Establish a direct connection between the ground screw and a grounding surface.
3. Connect the antennas.
4. Connect Ethernet.
5. Connect power via Ethernet or using the included plug connector.

Installing AWB5142 IP67 Version

1. Mount the device on a pole or wall.
2. Connect the antennas.
3. Connect Ethernet.
4. Connect power via Ethernet.

Refer to the user manual for further instructions.

Technical Specifications

Order Codes	AWB5141: WLAN AP, IP30, with mesh	AWB5142: WLAN AP, IP67, with mesh
Ethernet connector	RJ45	
Power supply	10-60 VDC (terminal block) or IEEE 802.3af (48 VDC PoE) Max. 11.5 W	IEEE 802.3af (48 VDC PoE) Max. 11.5 W
WLAN 2.4 GHz	Maximum RF transmitted power: IEEE 802.11b: 21 ±2 dBm IEEE 802.11g: 22 ±2 dBm IEEE 802.11n: 21 ±2 dBm	
WLAN 5 GHz	Maximum RF transmitted power: IEEE 802.11a: 21.5 ±2 dBm IEEE 802.11an: 21.5 ±2 dBm IEEE 802.11ac: 21.5 ±2 dBm	
Dimensions (W x H x D)	200 x 51 x 126 mm without DIN mounting clip	269 x 239 x 68 mm without bracket
Weight	660 g	2400 g
Housing material	Metal	
IP protection class	IP30	IP67

Mounting	DIN rail mount	Pole/Wall mount
Operating temperature	-40 °C to 70 °C, 5–95 % RH non-condensing	

Additional technical data and information related to the installation and use of this product can be found at www.anybus.com/support.

CE Compliance

This product is in compliance with the Radio Equipment Directive 2014/ 53/EU and the RoHS Directive 2011/65/EU with amendment 2015/863 through conformance with applicable standards. The full text of the Declaration of Conformity is available at www.anybus.com/support

Disposal and Recycling

You must dispose of this equipment properly according to local laws and regulations. Because this equipment contains electronic components, it must be disposed of separately from household waste. When this equipment reaches its end of life, contact local authorities to learn about disposal and recycling options, or return the equipment to HMS. For more information, see www.hms-networks.com.

FCC Compliance

This product contains FCC ID: 2ACNTAWB51415142

UL Ordinary Locations (OrdLoc)

This equipment is certified for use in ordinary locations in compliance with the following standards:

- CAN/CSA-C22.2 62368-1-14 Audio/video, information and communication technology equipment – Part 1: Safety requirements
- BS EN 62368-1:2014+A11:2017 Audio/video, information and communication technology equipment – Part 1: Safety requirements
- UL62368-1 Standard for Audio/video, information and communication technology equipment – Part 1: Safety requirements
- AS/NZS 1:2018 Audio/video, information and communication technology equipment – Part 1: Safety requirements
- IEC 62368-1:2014 (ED. 2.0)
- J62368-1 (H30) Japanese Language – AUDIO/VIDEO, INFORMATION AND COMMUNICATION TECHNOLOGY EQUIPMENT – PART 1: SAFETY REQUIREMENTS


The certification number of Anybus Infrastructure products according to OrdLoc certification is: E514162

According to the standards listed above, Anybus Industrial WLAN/LTE Routers are certified with the following marking:

2021 HMS Industrial Networks
Box 4126, 300 04 Halmstad, Sweden
SP2803 1.0 / 2021-01-22 / 21351



Documents / Resources

	anybus AWB5141 Wireless Access Point [pdf] Instruction Manual AWB5141, AWB5142, AWB5141, AWB5141, AWB5142, Wireless Access Point
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References

-  [Anybus technical support | Anybus](#)
-  [HMS Networks | Industrial IoT and industrial ICT](#)