

The Anybus Wireless LAN Access Points are powerful industrial-grade infrastructure devices that can connect several Wireless LAN clients over long distances.

The product establishes a Wireless Local Area Network (WLAN, also known as Wi-Fi) and is ideal for collecting data from nearby machinery equipped with Anybus Wireless Bolts or Bridges.



Availability

AWB4001

WLAN a/b/g/n
Access Point IP30

AWB4003

WLAN a/b/g/n M12 PoE (EU version)
Access Point IP67

AWB4004

WLAN a/b/g/n M12 PoE (US version)
Access Point IP67

AWB4005

Anybus Power over Ethernet injector
100-240VAC

AWB4006

Anybus Power over Ethernet injector
12-57VDC

Accessories

024705

Power Cable 3m 5-pin M12 Male
A-code open leads.

024706

Ethernet Cable 3m 8-pin M12 Male
A-code RJ45.

1.04.0085.00000

Magnetic antenna foot with 1,5 m
cable and RPSMA connector, excl.
antenna.

1.04.0085.00003

Screw-mount antenna base with 2m
cable and RP-SMA connector, excl.
antenna



Set up a Wireless LAN infrastructure the easy way

The Anybus Wireless LAN Access Points allow you to set up an industrial wireless infrastructure by acting as an access point for many Wireless LAN Clients. It comes in two different versions, one for IP30 applications and one for IP67 (outdoor and water resistant). Both have the same characteristics in range and functionality.

Solid security

The Anybus WLAN Access Point supports WEP/WPA/WPA-PSK(TKIP,AES)/ WPA2/WPA2-PSK(TKIP,AES)/802.1X to enhance security for wireless connections. The product acts as authenticator and the clients (for example an Anybus Wireless Bolt) gets authentications from a RADIUS (Remote Authentication Dial In User Service) server. Secured Management by HTTPS is also supported.

Features and benefits

- Rugged design with IP30 or IP67-classed housing.
- Connects a high number of clients
- Easy configuration via a web-based interface
- Wireless LAN interface supports up to 300Mbps link speed.
- Supports AP/Bridge/Repeater/AP-Client Mode.
- Diagnostics: Event Warning by Syslog, Email, SNMP Trap, Relay outputs.



Connect Bridges and Bolts

Anybus WLAN Access Points are designed to work seamlessly with Anybus Wireless Bridge or Bolt which gives industrial equipment wireless access.

Configuration

Use the included web interface and Wizard to set up the Wireless connection.



HMS provides a
full 3 year product
guarantee



TECHNICAL SPECIFICATIONS



Product	Anybus WLAN Access Point IP30	Anybus WLAN Access Point IP67
Type of wired interface	Ethernet - Two port switch	Ethernet
Order code	AWB4001	EU: AWB4003, US: AWB4004
Antenna	2 pcs external with RP-SMA connector	2 pcs external with N-type connector
Temperatures	Storage Temperature: -40 to 85°C (-40 to 185°F) Operating Temperature: -25 to 70°C (-13 to 158°F)	Storage Temperature: -40 to 85°C (-40 to 185°F) Operating Temperature: -25 to 70°C (-13 to 158°F)
Weight	1.11 kg	2.56 kg
Housing	Metal	Metal
Protection class	IP30	IP67
Dimensions W×H×D	74.3 x 153.6 x 109.2 mm	310 x 87 x 310 mm
Mounting	DIN-rail or wall-mount (included)	Wall-mount or pole mount (included)
Physical Ports	2 LAN ports RJ45 10/100/1000 Base-T(X) Ports Auto MDI/MDIX — 10/100/1000 Base-T(X)	1 LAN port M12 8-pin A-coding, 10/100/1000Base-T(X) Auto MDI/MDIX
Power	Dual Power Inputs. 12~48VDC on 6-pin terminal block, Reverse polarity protection, 7.5 Watts.	Dual Power Inputs. 12~48 VDC, 9 W, Power over Ethernet IEEE 802.3af.
Configuration	Internal web interface	Internal web interface
Vibration compatibility:	Shock: IEC60068-2-27 Free Fall: IEC60068-2-31 Vibration: IEC60068-2-6	Shock: IEC60068-2-27, EN61373 Free Fall: IEC60068-2-31 Vibration: IEC60068-2-6, EN61373
Humidity compatibility	5% to 95% Non-condensing	5% to 95% Non-condensing
PoE Support	No	Yes according to IEEE 802.3af Power Device specification
WLAN INTERFACE		
Regulatory domains	Global: 2.412~2.462 GHz (11 channels 1-11) 5.180~5.240 GHz & 5.745~5.825 GHz (9 channels 36-48, 149-165)	US/FCC: 2.412~2.462 GHz (11 channels 1-11) 5.180~5.240 GHz & 5.745~5.825 GHz (9 channels 36-48, 149-165) EU CE/ETSI: 2.412~2.472 GHz (13 channels 1-13) 5.180~5.240 GHz (4 channels 36-48)
WLAN Standard	IEEE802.11a/b/g/n/r (fast roaming)	IEEE802.11a/b/g/n/r (fast roaming)
Operation mode	AP/Client/Bridge /AP-Client Mode	AP/Client/Bridge /AP-Client Mode
Antennas	2.4GHz:2 dBi or 5GHz:2 dBi	2.4GHz :3 dBi or 5GHz :5 dBi
RF Output Power	17 dBm max.	17 dBm max.
Wireless Link speed	IEEE802.11b: 11Mbps IEEE802.11a/g: 54Mbps IEEE802.11n: 300Mbps	IEEE802.11b: 11Mbps IEEE802.11a/g: 54Mbps IEEE802.11n: 300Mbps
Security	WEP (64/128bit), WPA/WPA2 (TKIP/AES) Enterprise or PSK	WEP (64/128bit), WPA/WPA2 (TKIP/AES) Enterprise or PSK
CERTIFICATIONS		
Europe	CE/RED	CE/RED
U.S.	FCC Part 15, CISPR (EN55022) class A EMS IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8, IEC61000-4-11 Safety EN60950-1 UL 61010-2-201/UL file E214107	FCC Part 15, CISPR (EN55022) class A EMS IEC61000-4-2 (ESD), IEC61000-4-3 (RS), IEC61000-4-4 (EFT), IEC61000-4-5 (Surge), IEC61000-4-6 (CS), IEC61000-4-8, IEC61000-4-11 Cooling EN60068-2-1 Dry Heat En60068-2-2 Safety EN60950-1 UL 62368/UL 60950/UL file E466303
Warranty	3 years	3 years

For more technical details and specifications, visit anybus.com