

**Industrial Ethernet
IE-WLT-AP-BR-CL-ABG-US****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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**Industrial Wireless - AccessPoint/Bridge/Client**

- Compatible with IEEE 802.11 a/b/g
- Power supply via redundant 24 VDC supply inputs or via Power-over-Ethernet
- Support for Multi-SSID and VLAN
- Turbo-roaming delivers seamless wireless connections
- Integrated DI/DO for on-site monitoring and warning
- Supports QoS (WMM)
- -40 to 75°C operating temperature (T models)

General ordering data

Type	IE-WLT-AP-BR-CL-ABG-US
Order No.	1286490000
Version	Wireless Access Point/Bridge/Client, IEEE 802.11 a/b/g, US Model, IP 30, -40 °C...+75 °C
GTIN (EAN)	4050118076882
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	53.6 mm	Height	135 mm
Depth	105 mm	Weight	850 g
Net weight	850 g		

EMC conformity and approvals

EMC standards	EN 301 489-1/-17, FCC Part 15, Section B Class B, EN 55022/55024	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Class I, Zone 2
Security	SSID broadcast enable/disable, Firewall for MAC/IP/protocol/port-based filtering, 64-bit and 128-bit WEP encryption, WPA/WPA2 Personal and Enterprise (IEEE 802.1X/RADIUS, TKIP and AES)		

Environmental conditions

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	75 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C		

Guarantee

Time interval	5 years
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Interfaces

Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC	Connector for external antennas	RP-SMA (coupler)
Digital inputs	2 inputs with the same ground, isolated +13 To +30 V for logic "1" -30 To +3 V for logic "0" - Max. input current: 8 mA	LED indicator	PWR1, PWR2, PoE, FAULT, STATE, SIGNAL, CLIENT, BRIDGE, WLAN, 10M, 100M
RJ45 ports	10/100BaseT(X), auto negotiation	Standard antenna	2 dBi omni-directional dual band antenna, RP-SMA (male plug)

MTBF

MTBF	392,209 hrs
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Order data

Operating temperature	-40 °C...+75 °C
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Power supply

Connection type	1 removable 10-pole terminal block	Current consumption	0.121 to 0.494 A at 12 to 48V DC, 0.3 A at 24V DC
Input voltage	12 to 48 V DC, redundant dual DC inputs or 48 V DC Power over Ethernet (IEEE 802.3af)	Reverse polarity protection	Available

Technical data

Housing main material	metal	Protection degree	IP 30
Type of mounting	Mounting rail		

Technology

Standard	IEEE 802.11a/b/g/h for Wireless LAN, IEEE 802.11i for Wireless Security, IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X), IEEE 802.3af for Power-over-Ethernet, IEEE 802.1D for the Spanning Tree protocol, IEEE 802.1w for Rapid STP, IEEE 802.1Q for VLAN tagging
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WLAN interface

Data security	SSID broadcast enable/disable, Firewall for MAC/IP/protocol/port-based filtering, 64-bit and 128-bit WEP encryption, WPA/WPA2 Personal and Enterprise (IEEE 802.1X/RADIUS, TKIP and AES)	Operating channels (mid-band)	EU: 2.412 to 2.462 GHz (11 channels), 5.18 to 5.24 GHz (4 channels)
Spreading code process and modulation (typical)	DSSS with DBPSK, DQPSK, CCK, OFDM with BPSK, QPSK, 16QAM, 64QAM, 802.11b: CCK at 11/5.5 MBit/s, DQPSK at 2 MBit/s, DBPSK at 11 MBit/s, 802.11a/g: 64QAM at 54/48 MBit/s, 16QAM at 36/24 MBit/s, QPSK at 18/12 MBit/s, BPSK at 9/6 MBit/s	Transmission rate	802.11b: 1, 2, 5.5, 11 MBit/s, 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 MBit/s
Transmit power	802.11b: typically 23±1.5 dBm at 1 to 11 MBit/s, 802.11g: typically 20±1.5 dBm at 6 to 24 MBit/s, 19±1.5 dBm at 36 MBit/s, 18±1.5 dBm at 48 MBit/s, 17±1.5 dBm at 54 MBit/s, 802.11a: typically 18±1.5 dBm at 6 to 24 MBit/s, 16±1.5 dBm at 36 to 48 MBit/s, 15±1.5 dBm at 54 MBit/s	Wireless LAN receive sensitivity	802.11b: -97 dBm at 1 MBit/s, -94 dBm at 2 MBit/s, -92 dBm at 5.5 MBit/s, -90 dBm at 11 MBit/s, 802.11g: -93 dBm at 6 MBit/s, -91 dBm at 9 Mbps, -90 dBm at 12 MBit/s, -88 dBm at 18 MBit/s, -84 dBm at 24 MBit/s, -80 dBm at 36 MBit/s, -76 dBm at 48 MBit/s, -74 dBm at 54 MBit/s, 802.11a: -90 dBm at 6 MBit/s, -89 dBm at 9 MBit/s, -89 dBm at 12 MBit/s, -85 dBm at 18 MBit/s, -83 dBm at 24 MBit/s, -79 dBm at 36 MBit/s, -75 dBm at 48 MBit/s, -74 dBm at 54 MBit/s

Classifications

eClass 6.2	19-17-02-01	eClass 7.1	19-17-02-01
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Approvals

Approvals



ROHS

Conform

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Downloads

Manual	Manual
Package insert	Hardware Installation Guide
Declaration of Conformity	K441_10_11.pdf
SNMP MIB file	SNMP MIB file
Tools	WLAN Administration Tool
Firmware	Version 1.9.72
3-D model	