

IE-WL-AP-BR-CL-ABG-EU**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****Features of the BasicLine (IE-WL-BL series)**

- IEEE 802.11a/b/g/n compliant access point / client
- MIMO technology for data rates up to 300 Mbit/s
- Fast roaming for interruption-free connection switching between access points
- DFS support in the 5 GHz band

Features of the ValueLine (IE-WL-VL series)

- IEEE 802.11a/b/g/n compliant access point / client / bridge
- MIMO technology for data rates up to 300 Mbit/s
- Fast roaming for interruption-free connection switching between access points
- DFS support in the 5 GHz band
- Power supply via PoE to IEEE 802.3af possible
- Integrated DI/DOs for monitoring and alarms

General ordering data

Version	Wireless Access Point/Bridge/Client, IEEE 802.11 a/b/g, EU Model, IP30, 0 °C...60 °C
Order No.	1242100000
Type	IE-WL-AP-BR-CL-ABG-EU
GTIN (EAN)	4050118030488
Qty.	1 pc(s).
Delivery status	This article will no longer be available in the future.
Available until	2018-10-02
Alternative product	2536680000

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Technical data

Dimensions and weights

Depth	105 mm	Depth (inches)	4.134 inch
Height	135 mm	Height (inches)	5.315 inch
Net weight	850 g	Width	53.6 mm
Width (inches)	2.11 inch		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	0 °C...60 °C
Humidity	5 to 95 % (non-condensing)		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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EMC conformity and approvals

EMC standards	FCC Part 15B Class B, EN 55022, EN 55024	Explosive risk zone	UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA IIC T4 Gc
Free fall	According to IEC 60068-2-32	Safety standard	EN 60950-1, UL 60950-1
Shock	according to IEC 60068-2-27	Vibration	according to IEC 60068-2-6
Wireless	EN 301 489-1/17, EN 300 328, EN 301893		

Environmental conditions

Humidity	5 to 95 % (non-condensing)	Operating temperature, max.	60 °C
Operating temperature, min.	0 °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	2x RP-SMA female
Console port interface		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	RS-232 (RJ45 connector) PWR1, PWR2, PoE, FAULT, STATE, SIGNAL, CLIENT, BRIDGE, WLAN, 10M, 100M	RJ45 ports	10/100BaseT(X), auto negotiation
Reset button	Restoration of factory settings	Standard antenna	2 dBi omni-directional dual band antenna, RP-SMA (male plug)

Creation date March 23, 2021 12:00:47 PM CET

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Technical data**MTBF**

MTBF	392,209 hrs
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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	
Reverse polarity protection	Available	
Supply voltage, max.	48 V DC	
Voltage supply	24 V DC, 2 redundant inputs, or 48 V DC Power-over-Ethernet (IEEE 802.3af)	
Voltage supply range	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	48 V

Technical data

Housing main material	metal	Protection degree	IP30
Type of mounting	DIN rail, Panel (with optional mounting kit)		

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	Supported protocols	Other protocols: proxy ARP, DNS, HTTP, HTTPS, IP, ICMP, SNMP, TCP, UDP, RADIUS, SNMP, PPPoE, DHCP, Access Point-specific protocols: ARP, BOOTP, DHCP, dynamic VLAN tags for 802.1X clients, STP/RSTP (IEEE 802.1D/w)
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Technical data

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 2.472 GHz (13 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 802.11b: Typ.: 23±1.5 dBm at 1 to 11 MBit/s, 802.11g: Typ.: 20±1.5 dBm at 6 up to 24 MBit/s, typ 19±1.5 dBm at 36 MBit/s, typ 18±1.5 dBm at 48 MBit/s, typ 17±1.5 dBm at 54 MBit/s, 802.11a: Typ.: 18±1.5 dBm at 6 up to 24 MBit/s, typ 16±1.5 dBm at 36 up to 48 MBit/s, typ 15±1.5 dBm at 54 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		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

ETIM 6.0	EC000816	ETIM 7.0	EC000816
ECLASS 9.0	19-17-02-01	ECLASS 9.1	19-17-02-06
ECLASS 10.0	19-17-05-01	ECLASS 11.0	19-17-05-01

Approvals

Approvals



ROHS	Conform
UL File Number Search	E230683

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Technical data

Downloads

Approval/Certificate/Document of Conformity	EU Declaration of Conformity
Product Change Notification	Firmware Release Notes
Software	SNMP MIB file
	Firmware - Version 1.12.10
User Documentation	Hardware Installation Guide Manual