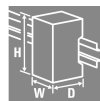


IE-WL-AP-BR-CL-ABG-US**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image****General ordering data**

Order No.	1242110000
Type	IE-WL-AP-BR-CL-ABG-US
GTIN (EAN)	4050118030501
Qty.	1 items
Delivery status	Discontinued
Last order date	2019-06-07T00:00:00+02:00
Alternative product	IE-WL-VL-AP-BR-CL-US

IE-WL-AP-BR-CL-ABG-US

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E230683

Certificate no. (cULusEX) E344136

Dimensions and weights

Depth	105	Depth (inches)	4.1338 inch
Height	135 mm	Height (inches)	5.3149 inch
Width	53.6 mm	Width (inches)	2.1102 inch
Net weight	850 g		

Temperatures

Humidity 5 to 95 % (non-condensing)

Environmental Product Compliance

RoHS Compliance Status Compliant

REACH SVHC Lead 7439-92-1

General specifications

Protection degree IP30

Mobile radio interface

Transmit power

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

Enclosure material

Housing main material metal

fibre-optic interface

Transmit power

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

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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

EMC conformity and approvals

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
EMC standards	FCC Part 15B Class B, EN 55022, EN 55024	Wireless	EN 301 489-1/17, EN 300 328, EN 301893
Vibration	according to IEC 60068-2-6	Shock	according to IEC 60068-2-27
Safety standard	EN 60950-1, UL 60950-1		

Environmental conditions

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

Fibre optic transceiver characteristics

Transmission rate	802.11b: 1, 2, 5.5, 11 MBit/s, 802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54 MBit/s
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Guarantee

Time interval	5 years
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Interfaces

RJ45 ports	10/100BaseT(X), auto negotiation	Console port interface	RS-232 (RJ45 connector)
Alarm contact	1 relay output with a current capacity of 1 A at 24 V DC	Function reset button	Restoration of factory settings
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	Standard antenna	2 dBi omni-directional dual band antenna, RP-SMA (male plug)
Connector for external antennas	2x RP-SMA female	LED indicator	PWR1, PWR2, PoE, FAULT, STATE, SIGNAL, CLIENT, BRIDGE, WLAN, 10M, 100M

MTBF

MTBF	Operating time (hours), min.	392209 h
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Power supply

Reverse polarity protection	Available	
Supply voltage	24 V DC, 2 redundant inputs, or 48 V DC Power-over-Ethernet (IEEE 802.3af)	
Current consumption	0.121 to 0.494 A at 12 to 48V DC, 0.3 A at 24V DC	
Connection type	1 removable 10-pole terminal block	
Voltage supply range	Voltage type	DC
	Voltage, min.	12 V
	Voltage, max.	48 V

Technical data

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

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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WLAN interface

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: 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
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	Operating channels (mid-band)	EU: 2.412 to 2.462 GHz (11 channels), 5.18 to 5.24 GHz (4 channels)

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	MBit/s, -75 dBm at 48 MBit/s, -74 dBm at 54 MBit/s	
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)	Spreading code process and modulation DSSS with DBPSK, (typical) 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

Classifications

ETIM 8.0	EC000816	ETIM 9.0	EC000816
ETIM 10.0	EC000816	ECLASS 14.0	19-17-05-01
ECLASS 15.0	19-17-05-01		