

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

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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-WL-AP-BR-CL-ABG-EU
Order No.	1242100000
Version	Wireless Access Point/Bridge/Client, IEEE 802.11 a/b/g, EU Model, IP30, 0 °C...60 °C
GTIN (EAN)	4050118030488
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Width	53.6 mm	Width (inches)	2.11 inch
Height	135 mm	Height (inches)	5.315 inch
Depth	105 mm	Depth (inches)	4.134 inch
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 Zone 2 Ex nA IIC T4 Gc
Free fall	according to IEC 60068-2-32	Security	EN60950-1, UL60950-1
Shock	according to IEC 60068-2-27	Vibration	according to IEC 60068-2-6
Wireless	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	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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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

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Housing main material	metal	Protection degree	IP30
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 2.472 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	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

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Classifications

ETIM 4.0	EC000018	ETIM 5.0	EC000018
ETIM 6.0	EC000018	eClass 6.2	19-17-01-06
eClass 7.1	19-17-01-06	eClass 8.1	19-17-01-06
eClass 9.0	19-17-01-06		

Approvals

Approvals



ROHS

Conform

Downloads

Manual	Manual
Package insert	Hardware Installation Guide
SNMP MIB file	SNMP MIB file
Tools	WLAN Administration Tool
Firmware	Version 1.11.4
	3-D model

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Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели,
кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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