

WiFi Access Point and Ethernet Bridge for industrial automation



- Functions : Access Point, Ethernet Bridge
- 7-60 VDC wide range power supply
- Power over Ethernet « POE » (IEEE 802.3af)
- Metallic IP30 enclosure, 35 mm DIN rail mounting
- Point to Point (virtual cable) & AD-HOC mode support
- MODBUS/TCP industrial protocol support

WL-IDA/N

IEEE 802.11b
WiFi 2.4 GHz

RF Module
certified



5-YEAR WARRANTY



WL-IDA/N is designed for wireless network applications requiring reliability and robustness in harsh industrial environment.

Its RJ45 network interface enables to any industrial equipments (PC, PLC, I/O, acquisition systems, displays ...) to communicate through the wireless Ethernet network.

Thanks to its built-in WEB interface, the setup of the device is achieved using the web browser installed on your computer (Internet Explorer, Netscape, Mozilla ...).

WL-IDA/N doesn't require any additional software to be installed in your computer (no peripheral driver needed).

WL-IDA/N works with any kind of industrial protocols carried by Ethernet TCP/IP.

TECHNICAL CHARACTERISTICS OVERVIEW

Bridge mode	WL-IDA/N can be used in the Infrastructure mode (access point in client mode) and in the AD-HOC mode (access point in point to point or multipoint mode); it can be connected to any IEEE 802.11b or IEEE 802.11g access point device
Access Point mode	Access Point for IEEE 802.11b and IEEE 802.11g equipments connection
Ethernet network	RJ45 10 BASE T Ethernet interface (10/100 compatible)
Connections	RJ45 connector for Ethernet, RSMA connector for antenna
IEEE 802.11b network	Compliant to the IEEE 802.11b (g compatible), DSSS, 2.4 GHz wireless 11 Mbps Ethernet recommendation, 300 m nominal range (open space), 60 m in other cases, the 11 Mbps data rate is automatically reduced (auto-fallback system) to 5.5, 2 and 1 Mbps for greater range and/or better signal immunity
Channels	13 channels for Europe, 11 channels for USA & Canada, 14 channels for Japan
Sensibility	Transmitter +15 dBm, receiver -84 dBm (typical)
Modulation	CCK, BPSK, QPSK
Security	4 independent 64/128 bits WEP « Wired Equivalent Privacy » keys (alphanumeric or hexadecimal), MAC addresses filtering
Functions	Access Point, Ethernet Bridge, wireless MODBUS/TCP data gateway
Administration	From a web browser, no specific software is needed on the computer
Operating systems	Windows, Linux, UNIX as well as any operating system supporting TCP/IP, firmware download for easy upgrade
Signaling	LEDs indicate LAN & WLAN activity and RF reception level as well
Power Supply	7-60 VDC wide range power supply & power over Ethernet « POE » IEEE 802.3af
Consumption	3 Watts maximum
Environment	Operating temperature: -10° to +60°C (RH 0-99%), storage: -40° to +70°C
Standards	Emission NF EN 55022 residential, immunity NF EN 61000-6-2 industrial IP30 enclosure
Dimensions, weight	Weight: 273 g (with RJ54 Ethernet cable), dimensions: L: 110 x W: 72.5 x H: 32 mm

Reference to order

WL-IDA/N	Access Point & WiFi Ethernet Bridge, DC 7-60V power supply, POE IEEE 802.3af, built-in 2 dBi antenna and RSMA connector for an external antenna, 35 mm DIN rail mounting
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