

Compact Access Point and Ethernet Bridge for industrial applications



WL-BRIDGE-OEM-RJ
WL-BRIDGE-OEM-TTL

- Connect any Ethernet equipment to the wireless WiFi Ethernet network
- 300 m nominal range (open space)
- Secured data transfer (WEP keys)
- Features Access Point & Bridge modes (infrastructure & AD-HOC)
- Robust metal case, **CE** industrial standards
- PCB available for OEMs, RJ45 or TTL Ethernet interface

WL-LINK

IEEE 802.11b
WiFi 2.4 GHz

Certified
RF module



5-YEAR WARRANTY (1)



When used in the Access Point mode, the WL-LINK is the root element of an industrial WiFi Ethernet network.

When used as a Bridge, it makes it possible to connect any Ethernet 10/100 industrial equipment to this network.

The WL-LINK device is also designed to work as a wireless bridge between the wired MODBUS/TCP protocol and the radio network, this feature allows connecting of any MODBUS/TCP equipment to this network.

Integrators and manufacturers (point of sales, medical instrumentation, industrial automation, security systems, video surveillance, automotive, building automation ...) can right now rely on this new technology to build safety wireless network applications while freeing themselves from wiring constraints.

Note (1) : One year for OEM models.

TECHNICAL CHARACTERISTICS

Ethernet link	10 BASE T Ethernet interface (10/100 equipments compatible), RJ45 connector. A TTL Ethernet interface is also available for OEM modules.
IEEE 802.11b network	Compliant to the IEEE 802.11b, DSSS, 2.4 GHz wireless 11 Mbps Ethernet recommendation, 300m nominal range (open space), 60m 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, built-in antenna and RSMA external antenna connector for long distance (up to 20 Km depending to countries), OEM modules features an Hirose UFL connector for the antenna.
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 (alphanumerical or hexadecimal).
Modes	Access point to build a WiFi network infrastructure, Bridge to connect any Ethernet equipments to this network and MODBUS/TCP wireless gateway (infrastructure & AD-HOC modes are supported).
Administration	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-LINK doesn't require any additional software to be installed in your computer (no peripheral driver needed).
Operating systems	Windows, Linux, UNIX as well as any operating system supporting TCP/IP
Signalling	LAN & WLAN activity on LEDs
Power supply	External +5VDC power supply on jack type connector on WL-DONGLE model (included), +3.3VDC & +5VDC on the HE10 connector for OEM models
Consumption	3 Watts maximum
Dimensions	Case L:94 x W:58 x H:23 mm, 185 g / OEM PCB (without antenna) L:76 x W:50 x H:18 mm, 43 g
Environnement	Operating temperature : -10°C to +60°C, storage : -40 to +80°C

References to order

WL-LINK	WiFi Access Point & Ethernet 10/100 RJ45 Bridge, +5VDC power supply included, built-in antenna with RSMA connector for external antenna
WL-BRIDGE-OEM	Ethernet Bridge module to wireless WiFi IEEE 802.11b, without antenna nor antenna cable (per quantities only) Add the -TTL suffix (HE10) or -RJ suffix (RJ45) to specify the nature of the Ethernet interface (OEM modules only)
WL-KIT-ANT1	RSMA 1 antenna kit with cable for the WL-BRIDGE-OEM

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