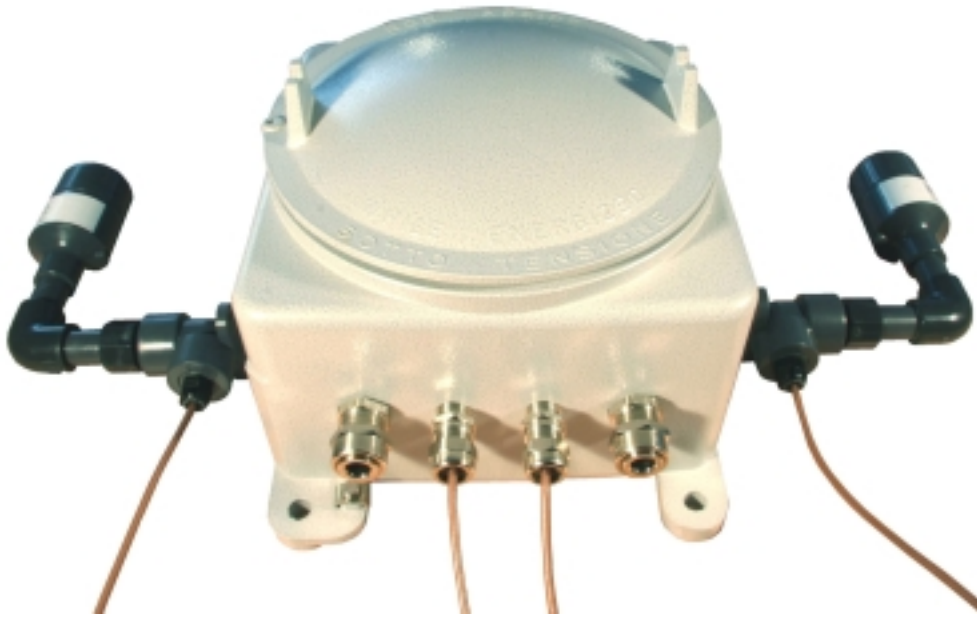


WiFi Access Point and Ethernet Bridge for hazardous explosive area



In Brief ...

- Functions : Access Point, Ethernet Bridge
- Point to Point (virtual cable) & AD-HOC mode support
- MODBUS/TCP industrial protocol support
- Aluminum IP66 enclosure, EX II 2GD EExd IIC protection
- External connections (antennas, Ethernet, power) through stuffing boxes
- Omnidirectional 3 dBi antennas, IP66, EX II 2GD EExe II T6 protection

WL-ACCESS-ATEX

IEEE 802.11b
WiFi 2.4 GHz

RF Module
certified



5-YEAR WARRANTY



WL-ACCESS-ATEX is designed for industrial applications in explosive environment like the mines, chemical industries, refineries, electric stations, very dusty environments and also those where sparks and electric arcs occur...

Its 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-ACCESS-ATEX doesn't require any additional software to be installed in your computer (no peripheral driver needed).

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

TECHNICAL CHARACTERISTICS OVERVIEW

Bridge mode	WL-ACCESS-ATEX 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	10 BASE T Ethernet interface (10/100 compatible)
Connections	Separated screw-in terminal block (Ethernet cable and power supply) inside the enclosure, cables output through stuffing boxes
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
Antennas	2 external omnidirectional 3 dBi antennas, ground plane type for wall mounting, 1m of low loss cable for each antenna
Security	4 independent 64/128 bits WEP « Wired Equivalent Privacy » keys (alphanumerical 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 (inside enclosure)
Power Supply	AC power supply from 85 to 264 VAC
Consumption	3 Watts maximum
Environment	Operating temperature: -25° to +80°C (RH 0-99%), storage: -40° to +70°C
Standards	Enclosure protection : EX II 2GD EExd IIC, IP 66 Antenna protection : EX II 2GD EExe II T6, IP 66 Emission NF EN 55022 residential, immunity NF EN 61000-6-2 industrial
Dimensions, weight	Enclosure weight: 11.1 Kg, antenna weight: 350 g Enclosure dimensions: 276 x 276 x 217 mm Antenna dimensions: 250 x 200 x 25 mm

HOT LINE
+33 1 30 56 46 46

Reference to order

WL-ACCESS-ATEX Access Point & WiFi Ethernet Bridge for explosive area, 85-264 VAC power supply, 2 external 3 dBi antenna

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