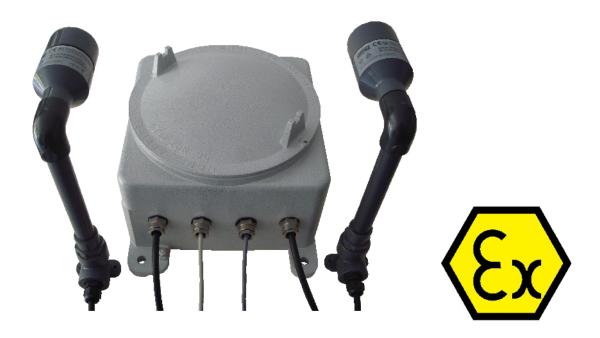
WiFi Access Point, Ethernet Bridge & Repeater (WDS) for hazardous explosive area



- WiFi IEEE 802.11 b/g or a/h & super AG, up to 108 Mbps
- Security: WEP, WPA-PSK, WPA2-PSK & IEEE 802.1x RADIUS
- Web based configuration, SNMP administration
- 2-port auto-sensing 10/100 Base TX network interface
- Aluminum IP66 enclosure, EX II 2GD Eex d IIC protection
- Omni directional antennas, IP66, EX II 2GD EExe II T6 protection

WLg-ACCESS-ATEX

IEEE 802.11 b/g WiFi 2.4 GHz

RF Module certified





5-YEAR WARRANTY



WLg-ACCESS-ATEX is designed for industrial applications in explosive environment like the 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 ...).

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

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

TECHNICAL CHARACTERISTICS OVERVIEW

Ethernet link 2-port Ethernet 10/100 auto-sensing, plug & play mode & auto MDI/MDIX cross-over

Compliant to the IEEE 802.11 b/g 2.4 GHz or a/h 5 GHz standards, multi-country Roaming support (IEEE 802.11d); Dynamic Frequency Selection (DFS) support provides flexible selection of best WiFi network

frequency to allow mobility among existing networks; "ClearVoice" band provides non-overlapping

channels for fast data transmission; Transmission Power Control (TPC)

Connections Screw-in terminal block (Ethernet cables and power) inside enclosure, output through stuffing boxes

Up to 108 Mbps (Super AG mode) Data rate

Channels 13 channels

Transmitter +20 dBm (TPC), +26 dBm with the WLg-RF400MW option Output power

Receiver -92 dBm for IEEE 802.11g and -95 dBm for IEEE 802.11b Sensitivity

2 external Omni directional 3 dBi antennas, ground plane type for wall mounting, 1m of low loss Antennas

cable for each antenna, optional lightning surge protection

Modulation OFDM: BPSK, QPSK, 16QAM, 64QAM and DSSS: DBPSK, DQPSK, CCK

Security 64/128 bits WEP, WPA-PSK, WPA2-PSK, IEEE 802.1x (RADIUS authenticator & supplicant), MAC

addresses filtering, SSID broadcast control

Modes Access point to build a WiFi network infrastructure, Bridge to connect any Ethernet equipments to

this network and MODBUS/TCP wireless gateway, repeater (WDS), infrastructure, AD-HOC, bridge

router & rapid roaming modes are supported

Thanks to its built-in WEB interface, the setup of the device is achieved using any web browser Administration

installed on your computer (Internet Explorer, Netscape, Mozilla ...), SNMP agent, ACKSYS NDM

Operating systems Windows, Linux, UNIX as well as any operating system supporting TCP/IP

LEDs signaling for LAN, WLAN network activity, 10/100 mode (inside enclosure) Signaling

Power supply AC power supply from 88 to 264 VAC

Consumption 7W typical power consumption

Dimensions & weight Enclosure weight: 12 Kg, antenna weight: 350 g

> Enclosure dimensions: 276 x 276 x 217 mm Antenna dimensions: 250 x 200 x 25 mm

Standards Enclosure protection: EX II 2GD EEx d 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

Operating temperature: -25°C to +70°C (HR 0-99%), storage: -40°C to +80°C Environment

Antennas: -20°C to +55°C

References to order

WLg-ACCESS-ATEX ATEX WiFi Access Point, 2-port Ethernet Bridge & WDS Repeater (b/g), AC power supply 88-264 VAC, two 3 dBi omni-

directional antennas (2.4 GHz)

High power radio option (26 dBm, 400 mW) WLg-RF400MW

WLg-ATEX-ANT-5GO Set of two 5 GHz 5 dBi ATEX Omni directional antennas for IEEE 802.11 a/h standards support WLg-ATEX-PWS-DC

Dual input +9VDC to +75VDC optional power supply

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