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

ACKSYS COMMUNICATIONS & SYSTEMS

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
WiFi network	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 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
Data rate	Up to 108 Mbps (Super AG mode)
Channels	13 channels
Output power	Transmitter +20 dBm (TPC), +26 dBm with the WLg-RF400MW option
Sensitivity	Receiver –92 dBm for IEEE 802.11g and -95 dBm for IEEE 802.11b
Antennas	2 external Omni directional 3 dBi antennas, ground plane type for wall mounting, 1m of low loss 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
Administration	Thanks to its built-in WEB interface, the setup of the device is achieved using any web browser 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
Signaling	LEDs signaling for LAN, WLAN network activity, 10/100 mode (inside enclosure)
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
Environment	Operating temperature: -25°C to +70°C (HR 0-99%), storage: -40°C to +80°C 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)
WLg-RF400MW	High power radio option (26 dBm, 400 mW)
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 + POE IEEE 802.3af

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