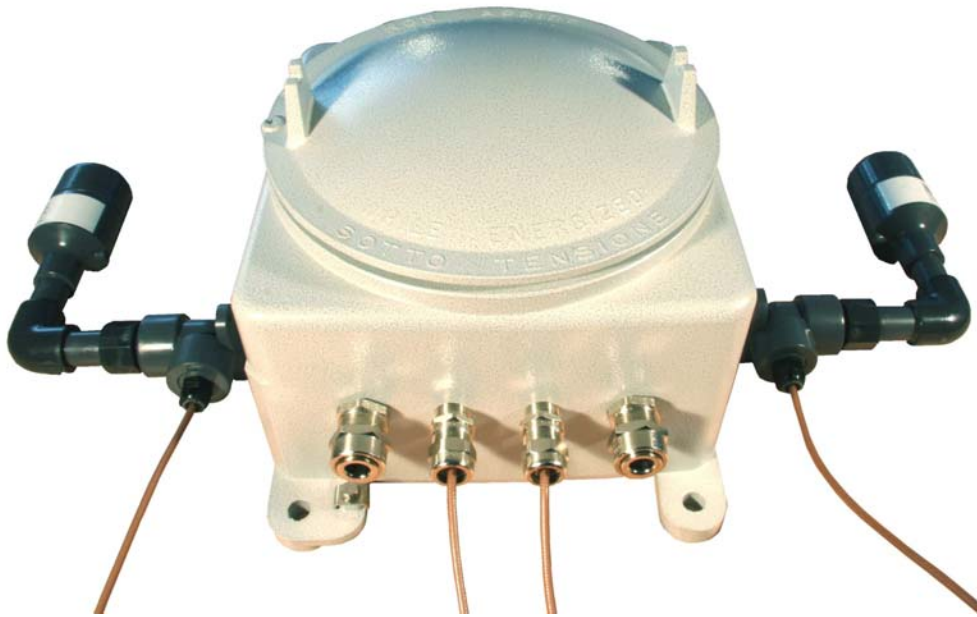


Wireless RS232 / RS422 / RS485 serial device server for hazardous explosive area



- Serial RS232 / RS422 / RS485 full duplex up to 250 Kbps
- Point to Point (virtual cable) & multipoint modes
- Virtual COM port redirector (VIP)
- TCP Client / Server, UDP & MODBUS/TCP support
- Aluminum IP66 enclosure, EX II 2GD EExd IIC protection
- Omnidirectional 3 dBi antennas, IP66, EX II 2GD EExe II T6 protection

WL-COMETH-ATEX

IEEE 802.11b
WiFi 2.4 GHz

RF Module
certified



5-YEAR WARRANTY



WL-COMETH-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...

WL-COMETH-ATEX gives access to any serial equipments from Windows, Unix & Linux computers connected to your wireless Ethernet TCP/IP network, make it possible to communicate between two distant serial equipments through the network, or directly with a peer to peer connection (AD-Hoc mode) or even build a wireless Ethernet serial MODBUS to MODBUS/TCP gateway.

The support of the Telnet (RFC 2217) extension associated to a COM ports re-redirector enables distant serial equipments connected to the WL-IDA/S to be directly used by Windows & Linux existing applications using standard COM ports.

TECHNICAL CHARACTERISTICS OVERVIEW

Serial port	Single asynchronous serial port, up to 250 Kbps 7 or 8 bits per character, 1 or 2 stop bits; even, odd, mark, space or no parity Hardware hand-shake (RTS/CTS) and/or software hand-shake (XON/XOFF)
RS signal available	RS232 mode: TxD, RxD, RTS, DTR, CTS, DCD, DSR, RI RS422/485 mode: -Tx, +Tx, -Rx, +Rx ⁽¹⁾
Connections	Separated screw-in terminal block (Ethernet cable and power supply) inside the enclosure, cables output through stuffing boxes
Protection	15KV ESD protection with HF signal filtering
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
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 (alphanumeric or hexadecimal)
Operating modes	Support for TCP Client/Server, DHCP Client, TELNET RFC2217 extension, Telnet Server, COM port re-director (VIP), multipoint or point to point virtual link over UDP modes and MODBUS/TCP Client/Server, MODBUS/RTU & MODBUS/ASCII protocols, direct communication (ad hoc) or from access point
Administration	From the serial port or through the radio WiFi Ethernet network (Telnet), firmware download for easy upgrade
Operating systems	Windows, Linux, UNIX as well as any operating system supporting TCP/IP
Signaling	TxD / RxD serial and WLAN radio activity and radio level on LEDs (inside enclosure)
Power supply	AC power supply from 85 to 264 VAC, 3 Watts maximum
Environment	Operating temperature: -25° to +80°C (RH 0-99%), storage: -40° to +70°C Antennas: -20°C to +55°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

(1) : RS422/485 +RX and -RX signals can be polarized (jumpers)

Reference to order

WL-COMETH-ATEX	Wireless RS232/RS422/RS485 device server over Ethernet IEEE 802.11b (WiFi) for explosive area, with Windows COM port redirector software (VIP), MODBUS/TCP data gateway, MODBUS/TCP gateway support, 85-264 VAC power supply, 2 external 3 dBi antenna
----------------	--

All the brand names mentioned in this document are trademarks. ACKSYS is constantly looking at ways to improve its products. The current specifications may therefore be modified without notice and the characteristics set out herein should not be construed as creating any contractual obligation. All the products featured herein are designed and manufactured in Europe.