

FEATURES

- Connect any serial peripheral to the WiFi network
- 300 m nominal range (open space) from access point
- Optional antenna connector for long distance
- Auto fallback system for greater range
- 4 independent 64/128 bits WEP keys
- MODBUS/TCP Client / Server protocol support
- Raw, peer to peer and COM ports redirector modes
- Robust mettalic case, CE industrial standards



DESCRIPTION

IEEE 802.11b Ethernet wireless serial device server enabling 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-director enables distant serial equipments connected to the COMETH to be directly used by Windows & Linux existing applications using standard COM ports.

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

5-YEAR WARRANTY

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TECHNICAL CHARACTERISTICS

Serial port	Single asynchronous serial port, up to 230,4 Kbps 7 or 8 bits per character, 1 stop bit; even, odd, mark, space or no parity Hardware hand-shake (RTS/CTS) and/or software hand-shake (XON/XOFF)
RS signals available	RS232 mode (1) : TxD, RxD, RTS, DTR, CTS, DCD, DSR, RI RS422/485 mode : -Tx, +Tx, -Rx, +Rx (2)
Connectors	SUB D9 male connector for RS232 interface, SUB D9 female for RS422/485 interface
Protection	15KV ESD protection with HF signal filtering, industrial CE conformity
IEEE 802.11b network	Compliant to the IEEE 802.11b, 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, built-in antenna and RSMA external antenna connector for long distance (up to 20 Km depending on country)
Channels	13 channels for Europe, 11 channels for USA & Canada, 14 channels for Japan
Sensitivity	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)
Operating modes	Support for Client/server TCP, TELNET RFC2217 extension, Telnet server, COM ports re-director (Serial/IP), Raw, Tunnel through network, peer to peer (Ad Hoc) modes and client / Server MODBUS/TCP, MODBUS/RTU & MODBUS/ASCII protocols
Administration	From the serial port or through the radio WiFi Ethernet network (Telnet), firmware download for easy upgrade
Operating systems	Windows 9x & Me, Windows NT & 2000, Linux, Unix-Sco, Aix
Signalling	LEDs signalling for TxD, RxD, network signals, link quality and radio level
Power supply	Built-in 85-264VAC universal power supply or DC (+9VDC to +36VDC)
Consumption	3 Watts
Environment	Operating temperature : 0 to +50°C Storage : -40 to +70°C

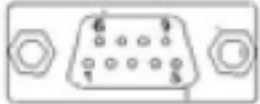
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X9240 WiFi MODBUS
TCP/IP RADIO MODEM
DATASHEET 157-1

CONNECTIONS


Pin	RS422A Signal	RS485 Signal
1	Connect together for line polarization (+)	
2		
3	B (TXD)	
4	B' (RXD)	
5	GND	GND
6	Connect together for line polarization (-)	
7		
8	A (TXD)	
9	A' (RXD)	

RS422/485 DB9 Female

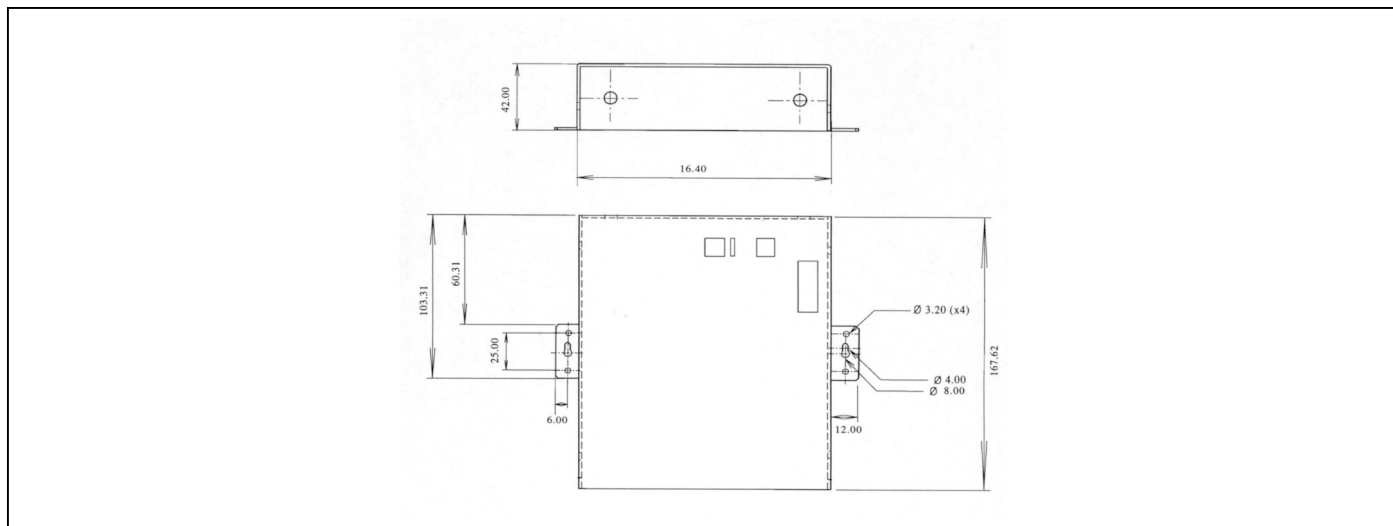


Pin	RS232 Signal	Direction
1	DCD	Input (to cometh)
2	RXD	Input (to cometh)
3	TXD	Output (from cometh)
4	DTR	Output (from cometh)
5	GND	
6	DSR	Input (to cometh)
7	RTS	Output (from cometh)
8	CTS	Input (to cometh)
9	RI	Input (to cometh)

RS232 DB9 Male



MECHANICAL DETAILS



CONFIGURATION

