



XM1630S

Industrial Ethernet to Serial bridge, working as a COM server. Easy integration of serial devices into 10/100 Base-T Ethernet networks. Advanced connectivity with RS-232, RS-485 and RS-422 interfaces.

Benefits:

- Enables any serial device to send and receive data via 10/100Base-T Ethernet network.
- Based on the AL6000S socket modem from xmodus, ideally suited for a wide range of M2M applications.
- Exchangeable with GSM, ISDN and PSTN modems from xmodus.
- EMC and Safety regulatory approvals. Full approved in Europe.

Functions:

- Command line interface for management and configuration over serial interface or Telnet.
- Data transmission modes are transparent or Telnet.
- HTTP server with web page allows monitoring and configuration with WEB browser.
- Ethernet IEEE 802.3u interface with auto-negotiation of 10/100baseT, half/full-duplex and auto-crossover.
- Complete protocol stack: TCP/IP, UDP, ARP, ICMP and DHCP protocols.
- Configurable Telnet client and Telnet server.
- Transmit block size up to 4Kb supported.
- Flash memory to update the firmware with the latest code or customer features.
- Trusted IP-address for Telnet dial-in.

Connectivity:

- Central site setup and monitoring of the remote COM servers.
- Device identification, password protection and security administration.
- UART: BR from 300 bps to 115.2 Kbps and Auto BR .
- RS-232 Serial Interface with ESD protection (D-SUB9).
- RS-485/RS-422, half-duplex interface with auto-direction, full isolation (3000V) and ESD protection.
- Configurable bus-termination for the RS-485 interface.

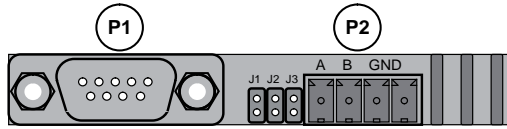
Specifications:

- Compact Size: 120 x 101 x 23 mm.
- Supply: wide input range from 9 - 32 VDC.
- Typical Power use average: 100mA @ 9VDC
- Serial RS-232, RS-485, RS-422 interfaces.
- Approved for Europe (CE). R&TTE directive. Meets specification TBR21, ETSI TS 103 021.
- Operating temperature: 0° to +70°
- Advanced ESD protection.
- 2 Year warranty.

Ordering:

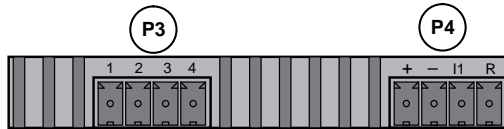
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Interface Connections



Top Side Connectors:

P1: RS-232 Serial Interface
 P2: RS-485 / RS-422 Interface
 J1 - J3: RS-485 Bus Termination



Bottom Side Connectors:

P3: Ethernet Interface
 P4: Power Supply (9 - 32 VDC)
 P4: [R] = External Reset

Operating Environment	Symbol	Limits	Units
Supply Voltage	VDD	+ 9.0 to + 32.0	VDC
Power Requirements	@ 9.0V	100	mA
Operating temperature	TA	-20° to + 60°	°C
Casing	IEC 529	IP50	
Vibration / Shock		EN60068-2-6 / 2-27	
RS485 Interface Specification		1/4 Unit Load	
RS485 Bus Termination		390R / 390R / 220R	Ohm
RS485 Interface Isolation		3000	V
ESD protection	IEC 61000	+/-15kV HBM, +/-8kV IEC	kV

Product Documentation	Doc Nr.
Install Manual	XM1630S-E00-100
AT Command Manual	XM1630S-A00-100
Additional Documentation	www.xmodus.ch

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