



## XM1520S

V.92 / 56K analog box modem with rugged metal case, designed specially for a wide range of M2M applications. Flexible power input and worldwide operation are supported, for easy integration.

### Benefits:

- Enables any device to send and receive data via Analog PSTN line.
- Based on the AL3094S socket modem from xmodus, ideally suited for a wide range of M2M applications.
- Exchangeable with GSM, ISDN and LAN modems from xmodus.
- CTR-21, EMC and Safety regulatory approvals. Full approved in Europe.

### Functions:

- Standard Hayes AT-Command Set and V.250, V.251 Commands
- ITU-T V.92, V.34, V.32, V.22bis, V.22, V.23, V.21, Bell 212A and Bell 103.
- V.22bis fast connect.
- UART: BR from 300 bps to 115.2 Kbps and Auto BR supported.
- V.42 and MNP error correction. V.44, V.42bis and MNP 5 data compression.
- Telephony / TAM functions with V.253 voice commands.
- Full-duplex Voice send / receive (AT+VTR) supported.

- Fax Modem send / receive up to 14.4kbps (V.17, V.29, V.27ter). Fax protocols EIA/TIA 578 Class 1 and T.31 Class 1.0 supported.
- Worldwide operation (complies to TBR21, Part 68 and other country requirements)

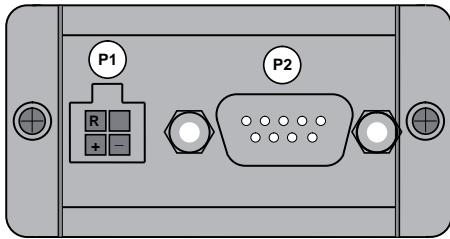
### Specifications:

- Compact Size: 97 x 63 x 36 mm.
- Supply: wide input range from 9 - 32 VDC.
- Typical Power use average: 100mA @ 9VDC.
- Serial RS-232 interface with D-SUB9 connector.
- Approved for Europe (CE). R&TTE directive. Meets specification TBR21.
- Lightning protection according K.21.
- Operating temperature: -20° to +70°
- ESD protection (RS232 & IO)
- 2 Year warranty.

Ordering:

**XM1520S**

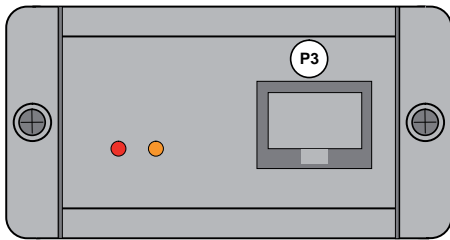
## Interface Connections



P1 Power Supply ( 9 - 36 VDC )

P1 R = External Reset Input

P2 RS232 Serial Interface (D-Sub9)



P3 PSTN Interface (RJ45)

LED Red = Power On

LED Yellow = Connect

## Operating Environment

Supply Voltage	VDC	+ 9.0 to + 32.0	VDC
Power Requirements	@ 9.0V	0.1	A
Operating temperature	TA	-20° to + 70°	°C
Casing	IEC 529	IP50	
Vibration / Shock		EN60068-2-6 / 2-27	
ESD protection (RS232 & IO)	IEC 61000	+/-15kV HBM, +/-8kV IEC	kV

## Accessories

XM-TSH-35/2	Top-hat rail mounting kit (35mm)
XM-PSU-001	External Power Supply (wall adapter) 9VDC / 0.56A

Product Documentation	Doc Nr.
Hardware Manual	XM1520S-E00-100
AT Command Manual	XM1520S-A00-100
Additional Information	<a href="http://www.xmodus.ch">www.xmodus.ch</a>

## Contact Information

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