



XM1540S

ISDN box modem with rugged metal case, designed specially for a wide range of M2M applications. Flexible protocol stack allows integration of user applications.

Benefits:

- Enables any serial device to send and receive data via the ISDN network.
- Based on the AL5068S socket modem from xmodus, ideally suited for a wide range of M2M applications.
- Exchangeable with GSM, PSTN and LAN modems from xmodus.
- EuroISDN (DSS1), EMC and Safety regulatory approvals. Fully approved in Europe.

Functions:

- Standard Hayes AT-command set, enhanced with proprietary commands..
- UART: BR from 300 bps to 115.2 Kbps and Auto BR supported.
- Euro-ISDN D-Channel Signaling protocol (CTR3).
- V.110 rate adaption protocol with 4800, 9600 and 19200 bps.
- B-Channel protocols: X.75, V.120, X.31, HDLC and transparent.
- PPP protocol. (RFC 1662 async-sync conversion).
- X.25 / X.31 Case A & B protocols for D- and B-Channel supported. X.3 PAD integrated.

- Firmware updateable.
- Trace Monitor for debugging.
- Advice of Charge. Charging in national currency.
- Programmable EAZ / MSN (Multiple Subscriber Number).

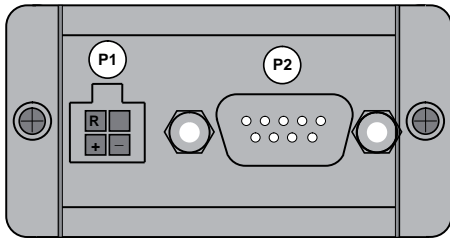
Specifications:

- 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 CTR3.
- Operating temperature: -20° to +70°
- ESD protection (RS232 & IO)
- 2 Year warranty.

Ordering:

XM1540S

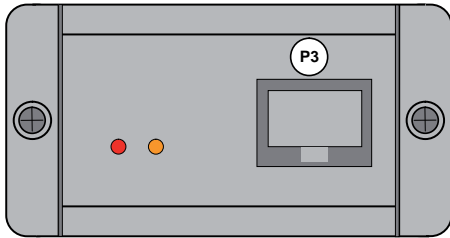
Interface Connections



P1 Power Supply (9 - 36 VDC)

P1 R = External Reset Input

P2 RS232 Serial Interface (D-Sub9)



P3 ISDN Interface / S0-bus (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	XM1540S-E00-100
AT Command Manual	XM1540S-A00-100
Additional Information	www.xmodus.ch

Contact Information


 xmodus swiss GmbH
 Dachslernstrasse 63
 CH-8048 Zürich, Switzerland
 Phone +41 (0) 44 438 88 82
 Web: www.xmodus.ch



© 2009 xmodus swiss. The information in this document is believed to be accurate in all respects at the time of publication but is subject to change without notice. Xmodus swiss assumes no responsibility for any errors and omissions.