



## XM1510S

Industrial design GSM terminal with rugged metal casing. Supports quad-band, GPRS class 10 and EDGE. For a wide range of M2M applications, such as control systems, vending machines, remote diagnostics and much more.

### Benefits:

- Enables any application to send and receive data via quad-band 850,900,1800,1900 MHz GSM network.
- Based on Motorola G24, one of the most compact modules available and ideally suited for a wide range of M2M applications.
- Exchangeable with Analog, ISDN and WLAN terminals from xmodus.
- FTA, FCC, IC, PTCRB, GCF and EMC regulatory approvals. Full approved in Europe.

### Functions:

- AT-Command Set Interface Protocol ETSI GSM 07.05, 07.07 and 07.10.
- UART: BR from 300 bps to 115.2 Kbps and Auto BR supported.
- Class 4 (2W @ 900 MHz)
- Class 1 (1W @ 1800MHz)
- RX sensitivity -106dBm
- GPRS multi slot classes up to Class 10
- EDGE multi slot class 10 with max. BR downlink 236.8 Kbps (4 down, 2 up, 5 total).
- GPRS Class B multiplexing.
- Sleep mode supported.

### Connectivity:

- CSD max. BR 14.4 Kbps
- GPRS max. BR 85.6 Kbps (CS4)
- Transparent, V.32bis and ISDN V.110 connection.
- Automatic Fax group 3 (class 1).
- Embedded TCP/IP and UDP protocol stack.
- SMS services features MO/MT text and PDU modes
- Embedded SMTP / POP3 - email services.
- SSL Secure connection.

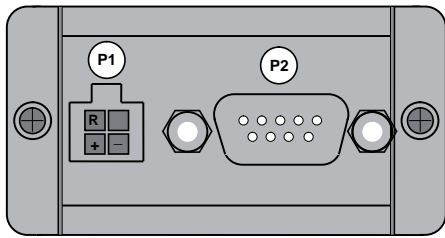
### Specifications:

- Compact Size: 97 x 63 x 36 mm.
- Supply: wide input range from 9 - 32 VDC.
- Typical Power use average: 270mA @ 9VDC
- Typical Power use @ PCL 5: 0.5A peak.
- Serial RS-232 interface with D-SUB9 connector.
- SIM card reader interface.
- SMA (female) Antenna Interface.
- Operating temperature: -20° to +60° C.
- ESD protection (RS232 & IO)
- 2 Years warranty.

Ordering:

**XM1510S**

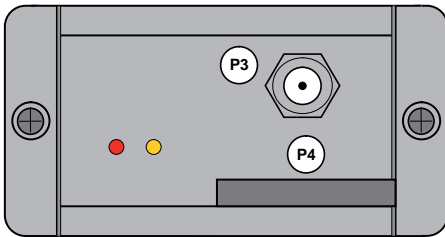
## Interface Connections



P1 Power Supply ( 9 - 36 VDC )

P1 R = External Reset Input

P2 RS232 Serial Interface (D-Sub9)



P3 GSM Antenna Interface (SMA female)

P4 SIM Card Interface

LED RED = Power On / Yellow = Connect

## Operating Environment

Supply Voltage	VDC	+ 9.0 to + 32.0	VDC
Power Requirements	@ 9.0V	0.5	A (peak)
Operating temperature	TA	-20° to + 60°	°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	XM1510S-E00-100
AT Command Manual	XM1510S-A00-100
Additional Information	<a href="http://www.xmodus.ch">www.xmodus.ch</a>

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