



## XM1500S

Industrial design GSM terminal with rugged metal casing. Supports quad-band and GPRS class 10. 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 G.Lite, 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
- GPRS Class B multiplexing.
- Sleep mode supported.

### Connectivity:

- CSD max. BR 14.4 Kbps
- GPRS max. BR 85.6 Kbps (CS4)
- Transparent connections.
- V.32bis connection with 9600bps.
- ISDN V.110 connection with 9600 bps.
- SMS services features MO/MT text and PDU modes

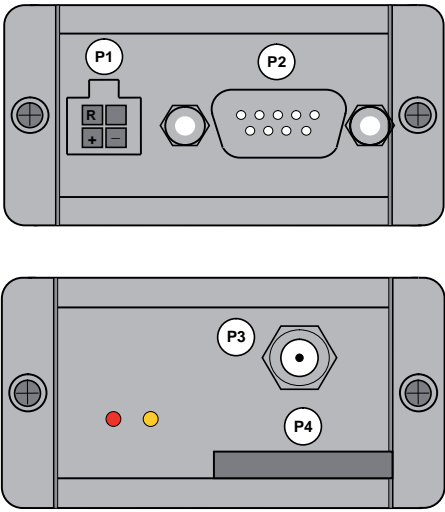
### Specifications:

- 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:

**XM1500S**

### 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        | XM1500S-E00-100                                  |
| AT Command Manual      | XM1500S-A00-100                                  |
| Additional Information | <a href="http://www.xmodus.ch">www.xmodus.ch</a> |

### Contact Information



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

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