



## XM1550U

This is the next generation 3.5G wireless terminal designed to bring your M2M application to the next level.

This terminal features fast HSUPA and HSDPA connectivity while still leveraging backwards compatibility with GSM/GPRS and EDGE.

### Benefits:

- Enables any device to send and receive data via Tri-band UMTS/HSPA (850/1900/2100MHz) and quad-band 850,900,1800,1900 MHz GSM network.
- Based on Motorola H24, one of the most compact modules available and ideally suited for a wide range of M2M applications.
- Exchangeable with PSTN, ISDN, GSM and LAN 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.
- HSPA: max uplink 2.0Mbps, downlink 7.2Mbps.
- EDGE: Multislot class 12.
- GPRS: Multislot class 12.
- CSD: UMTS max. 64Kbps, GSM 14.4Kbps.
- SMS: MO/PDU modes, FAX: Group 3, class 1
- USB 2.0 high speed interface (480Mbps).
- Multi channels over USB
- UMTS/HSDPA/HSUPA 3GPP release 6

### Features:

- Sleep mode < 2.5mA @ DRX9
- Transparent, V.32bis and V.110 transmission protocols.
- Embedded TCP/IP and UDP/IP protocol stack.
- Firmware update over the air (FOTA).
- Firmware update over USB.
- Fax (Group 3, Class 1).
- SSL: Secure connection.

### Specifications:

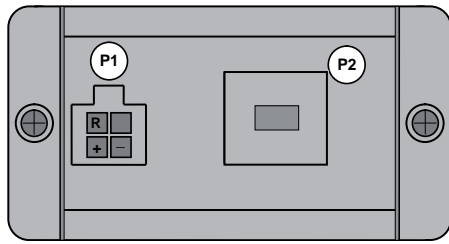
- Compact Size: 97 x 63 x 36 mm.
- Supply: wide input range from 9 - 32 VDC.
- Typical Power use average: 300mA @ 9VDC
- USB interface with B-type connector.
- SMA (female) Antenna Interface.
- Operating temperature: -20° to +70° C.
- ESD protection (USB).
- 2 Years warranty.

Ordering:

XM1550U



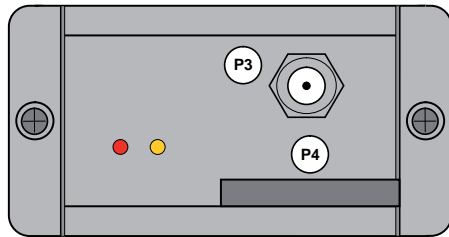
## Interface Connections



P1 Power Supply ( 9 - 36 VDC )

P1 R = External Reset Input

P2 USB 2.0 Interface (B-type)



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	0.35	A
Operating temperature	TA	-20° to + 70°	°C
Casing	IEC 529	IP50	
Vibration / Shock		EN60068-2-6 / 2-27	
ESD protection	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	XM1550U-E00-100
AT Command Manual	XM1550U-A00-100
Additional Information	<a href="http://www.xmodus.ch">www.xmodus.ch</a>

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