



XM1560S

Industrial design GSM terminal with embedded JAVA. 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:

- If you need the flexibility to program in a language you understand. Now, you have all the benefits of a Motorola M2M module on a Java based platform.
- Based on Motorola G.24-J. Build for easy integration into various M2M projects it can power many applications, tracking, remote metering, vending machines, fleet management and much more.
- The XM1560S can deliver seamless communication and control, while we work with you to tailor the solution to your needs..

Functions:

- AT-Command Set Interface Protocol ETSI GSM 07.05, 07.07 and 07.10 standards supported.
- UART: BR from 300 bps to 115.2 Kbps and Auto BR.
- Class 4 (2W @ 900 MHz), Class 1 (1W @ 1800MHz)
- GPRS multi slot classes up to Class 10
- EDGE multi slot class 10 with max. BR downlink 236.8
- GPRS Class B multiplexing. GPRS max. BR 85.6 Kbps
- Transparent, V.32bis and ISDN V.110 connection.
- Automatic Fax group 3 (class 1).
- Embedded TCP/IP and UDP protocol stack.
- SSL Secure connection.
- CSD max. BR 14.4 Kbps
- Embedded SMTP / POP3 - email services.

Java Features:

- 10MB of ROM, 1,8 MB RAM, ARM7 processor.
- Sun compliant standards.
- Wireless messaging capabilities (SMS, MMS)
- Already included protocols such as HTTP, HTTPS
- Secure over-the-air MIDlet update in the field.
- Java partial mode. Simultan Java and AT command
- J2ME standards and M2M extended API's.
- Full control over HW, (UARTs, IO, POWER).
- Motorola dedicated Java Developer Site.

Specifications:

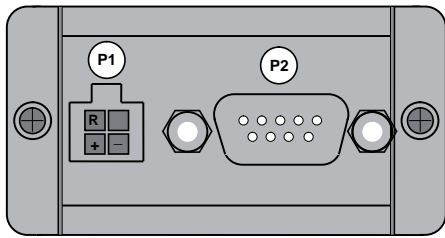
- Compact Size: 97 x 63 x 36 mm.
- Supply: wide input range from 9 - 32 VDC.
- Typical Power use average: 270mA @ 9VDC
- Typical Power use @ PCL 5: 0.5A peak.
- Serial RS-232 interface with D-SUB9 connector.
- SIM card reader interface.
- SMA (female) Antenna Interface.
- Operating temperature: -20°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

Ordering:

XM1560S



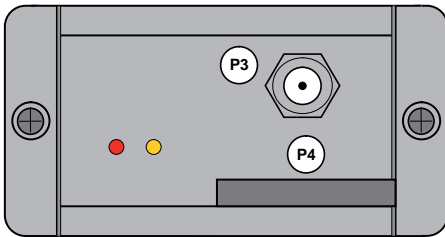
Interface Connections



P1 Power Supply (9 - 32 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 | XM1560S-E00-100 |
| AT Command Manual | XM1560S-A00-100 |
| Additional Information | www.xmodus.ch |

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