



XM1800S

Xmodus announced the launch of the new ultra compact 2G GSM Terminal with new functions covering a wide range of M2M applications. The new XM1800S terminal include a 2G GSM engine. Optional I/O ports and data interfaces available. Interchangeable across 2G, 3G and 4G models.

Benefits:

- With an extended temperature range and robust design, the XM1800S terminal is designed to stand up to the harsh industrial environments found in Telematics, M2M and AMR deployments.
- Based on Telit GE910 GSM module, it features an industry leading RF performance, ensuring reliable network connectivity for real-time communication.
- The XM1800S GSM Terminal is the ideal choice for any M2M segment, demanding reliable host devices like AMR, Telematics, Security and Remote Control.

GSM Engine:

- Telit GE910 GSM / GPRS Engine.
- Quadband 850/900/1800/1900 Mhz
- GPRS class 10 support.
- 3GPP release 4 compliant.
- Class 4 (2W, 33dBm) @ GSM 850/900.
- Class 1 (1W, 30dBm) @ GSM 1800 / 1900
- RX sensitivity down to -107dBm.
- CSD Asynchronous up to 9.6 kbps.
- V.110 protocol support.
- Coding scheme 1 to 4, PBCCH support.
- Optional antenna diversity
- Optional GPS receiver.

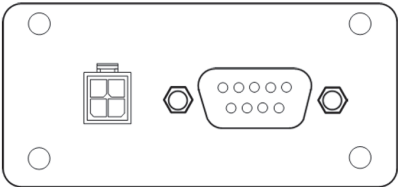

Connectivity:

- Serial Interface, full RS232, up to 115200bps.
- AAI (Analog Audio Interface).
- Optional IO Board with 2 isolated inputs, 2 isolated outputs and 1 ADC (4...20mA) is available.
- Optional RS485 interface extension board available on demand.
- Integrated TCP-IP / UDP / FTP / SMTP stack.
- SMS/MMS services features, TXT and PDU modes.
- Python interpreter allows implementation of customer applications. Module takes the application code directly in the Python language.

Specifications:

- Compact Size: 75 X 55 X 25 mm.
- Supply: wide input range from 9 - 32 VDC.
- Typical Power use average: 200mA @ 9VDC
- Typical Power use @ PCL 5: 0.5A peak.
- Serial RS-232 interface with D-SUB9 connector.
- SIM card reader (1.8V, 3V SIM).
- SMA (female) Antenna Interface.
- Operating temperature: -40° to +80° C.
- 2 Year warranty.


Ordering:
XM1800S

Interface Connections	
	P1 Power Supply (9 - 36 VDC)
	P2 Serial Interface (D-SUB9 female)
	P4 GSM Antenna Interface (SMA female)
	P5 SIM Card Interface (1.8V / 3V SIM)
	P6 AAI (Analog Audio Interface)
	LED Green = Power On / Blue = GSM activity

Operating Environment			
Supply Voltage	VDD	7.5 to 32.0	VDC
Power Requirements	@ 9V	0.8	A (peak)
Operating temperature	TA	-40° to + 80°	°C
Casing	IEC 529	IP50	
Vibration / Shock		EN60068-2-6 / 2-27	
ESD protection	IEC 61000	+/-15kV HBM, +/-8kV IEC	kV

Accessories	
ZC-CAB-DC	DC Cable with open ends
XM-TSH-5	Mounting Kit
XM-PSU-002	DC Power Supply 9VDC 0.6A (wall adapter, EU version)

Product Documentation	Doc Nr.
Manual	XM1800S-E00-100
AT Command Manual	XM1800S-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	
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