



## XM7400S

New GSM socket modem with good performance at a favorable price.

For large-scale M2M systems with simple functional needs. This module provides a quadband and GPRS class 10 engine.

### Benefits:

- Enables any device to send and receive data via quad-band 850,900,1800,1900 MHz GSM network.
- Based on SIMCom's SIM900 module, the most compact module available and ideally suited for a wide range of M2M applications.
- Pin compatible and exchangeable with Analog, ISDN and LAN socket modems from xmodus.
- CE, FCC, IC, PTCRB, GCF, ICASA, AT&T and EMC regulatory approvals. Full approved in Europe, US and other countries.

### Functions:

- AT-Command Set Interface Protocol ETSI GSM 07.05, 07.07 and 07.10.
- Quad band 850/900/1800/1900Mhz GSM Engine.
- Class 4 (2W @ GSM 850 and EGSM 900).
- Class 1 (1W @ DCS 1800 and PCS 1900).
- GPRS multi slot classes up to Class 10.
- GPRS mobile station Class B multiplexing.
- GPRS coding schemes CS-1, CS-2, CS-3 and CS-4.
- GPRS maximum BR is 85.6 Kbps (CS4).
- Temperature range: -30°C to +80°C (normal).
- Typical power in sleep mode is 1.0mA @ DRX9.

### Connectivity:

- CSD max. BR 14.4 Kbps, non transparent.
- CSD with V.32bis and ISDN V.110 supported.
- Unstructured Supp. Services (USSD) support.
- PAP protocol used for PPP links.
- Integrated TCP/IP protocol.
- SMS services features MO/MT text and PDU modes.
- Fax group 3, Class 1.
- Firmware upgradable.

### Specifications:

- Compact Size: 64.5 X 26.5 X 8 mm.
- 3.3V or 5VDC supply.
- Typical Power use average: 300mA
- Typical Power use @ PCL 5: 1.5A peak.
- Serial RS-232 interface with TTL levels
- Internal SIM card reader (1.8V, 3V SIM).
- External SIM card reader interface (1.8V, 3V SIM).
- RF Interface: U.FL connector.
- 2 Year warranty.

### Ordering:



**XM7400S-5V**  
**XM7400S-3V**

Pin Diagram		Pin No	Name	Pin No	Name
1	NC	64	SPEAKER		
2	NC	63	GND Analog		
		62	MICRO IN		
		61	VCC		
3 - 21	NO PIN	42 - 60	NO PIN		
22	TXD2				
23	RXD2				
24	ON / OFF	41	GND Digital		
25	NC	40	DTR#		
26	DGND	39	DCD#		
27	RESET	38	CTS#		
28	SIMVCC	37	DSR#		
29	NET-LED	36	RI#		
30	SIMDATA	35	TXD#		
31	SIMRST	34	RXD#		
32	SIMCLK	33	RTS#		

Operating Conditions	Symbol	Limits	Units
Supply Voltage (-5V Version)	VDD	+ 4.75 to + 5.25	VDC
Supply Voltage (-3V Version)	VDD	+ 3.25 to + 3.60	VDC
Operating temperature	TA	-30° to + 80°	°C
Restricted operation	TA	-40° to + 85°	°C

Power Requirements	Typical Current (mA)	Max. Current (mA)
XM7400S data mode, GPRS cl 10I @PCL5	350	450
Average Idle	22,0	25,0
Sleep mode @ DRX9	1,0	1,5

Product Documentation	Doc Nr.
Designers Guide	XM7400S-E00-100
AT Command Manual	XM7400S-A00-100
Additional Information	<a href="http://www.xmodus.ch">www.xmodus.ch</a>

Contact Information	
 xmodus swiss GmbH Dachslerstrasse 63 CH-8048 Zürich, Switzerland Phone +41 (0) 44 438 88 82 Web: <a href="http://www.xmodus.ch">www.xmodus.ch</a>	
© 2010 xmodus swiss. The information in this document is believed to be accurate in all respects at the time of publication but is subject to change without notice. Xmodus swiss assumes no responsibility for any errors and omissions.	