



XM7026S

This embedded GSM Module provides a stand alone wireless controller with Java. This is the ideal complement for a wide range of M2M applications, e.g. control systems, remote diagnostics, data collection, remote maintenance, web-enabled devices, vending machines and more.

Benefits:

- The XM7026S is managed by a MIDlet (Java J2ME application). JavaTM makes it possible to manage complex user applications.
- Provides 3 universal input/output ports and 1 ADC input managed by the Java Midlet.
- Provides an USB Rev 1.1 port managed by the Java Midlet.
- Java application software can be updated over-the-air

Functions:

- AT-Command Set Interface Protocol ETSI GSM 07.05, 07.07 and 07.10.
- Quad band 850 / 900 / 1800 / 1900 Mhz GSM Engine.
- Class 4 (2W @ 900 MHz)
- Class 1 (1W @ 1800MHz)
- RX sensitivity -106dBm
- GPRS / EDGE support with multi slot classes up to Class 10.
- GPRS Class B multiplexing.
- Sleep mode < 2.5mA @ DRX9.
- USB Rev 1.1 port.
- Embedded TCP/IP UDP/IP and FTP protocol stack.
- SMS services features.

Connectivity:

- CSD max. BR 14.4 Kbps
- GPRS max. BR 85.6 Kbps (CS4).
- Transparent, V.32bis and V.110 transmission.
- GPIO ports (3) and ADC (1) inputs.
- Transparent, V.32bis and V.110 transmission protocols.
- Automatic fax group 3 (Class 1)
- Embedded SMTP / POP3 - email.

Specifications:

- Compact Size: 64.5 X 26.5 X 10 mm.
- 3.3V or 5VDC Supply.
- Typical Power use average: 270mA
- Typical Power use @ PCL 8: 1.5A peak.
- Serial UART interface with TTL levels
- Weight: 22 gram.
- Internal SIM card reader.
- External SIM card reader interface.
- Integrated MMCX Antenna Interface.
- Operating temp.: -20° to +60°
- 2 Year warranty.

Ordering:



XM7026S
XM7026S-3V

Pin Diagram		Pin No	Name	Pin No	Name
1	NC	64	SPEAKER	64	SPEAKER
2	NC	63	GND Analog	63	GND Analog
3 - 15	NO PIN	62	MICRO IN	62	MICRO IN
16	NO PIN	61	VCC IN	61	VCC IN
17	NO PIN	46 – 60	NO PIN	46 – 60	NO PIN
18	GPIO1	45	NO PIN	45	NO PIN
19	GPIO2	44	USB VCC	44	USB VCC
20	GPIO3	43	USB DATA +	43	USB DATA +
21 – 23	NO PIN	42	USB DATA -	42	USB DATA -
24	ON / OFF	41	GND Digital	41	GND Digital
25	ADC1	40	DTR#	40	DTR#
26	GND	39	DCD#	39	DCD#
27	GPRS-LED	38	CTS#	38	CTS#
28	SIMVCC	37	DSR#	37	DSR#
29	TX-LED	36	RI#	36	RI#
30	SIMDATA	35	TXD#	35	TXD#
31	SIMRST	34	RXD#	34	RXD#
32	SIMCLK	33	RTS#	33	RTS#

Operating Conditions	Symbol	Limits	Units
Supply Voltage	VDD	+ 4.75 to + 5.25	VDC
Supply Voltage (-3V Version)	VDD	+ 3.20 to + 3.40	VDC
Operating temperature	TA	-20° to + 60°	°C
Extended temperature (ET Version)	TA	-30° to + 85°	°C

Power Requirements	Typical Current (mA)	Max. Current (mA)
XM7026S in a call @PCL5	270	305
Average Idle	18,0	20,0
Sleep mode @DRX9	2,0	2,5

Product Documentation	Doc Nr.
Designers Guide	XM7026S-E00-100
AT Command Manual	XM7026S-A00-100
Additional Information	www.xmodus.ch

Contact Information	
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