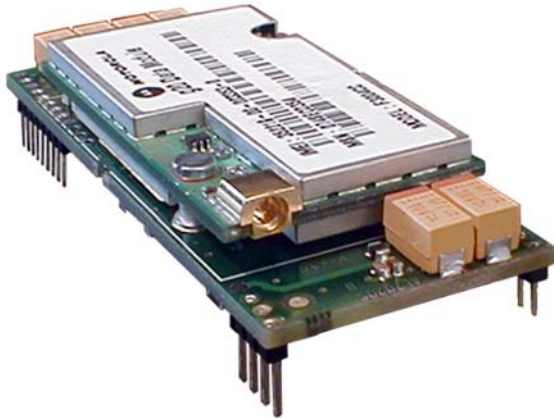


# XM8000S

Embedded WLAN Socket Modem



WLAN socket modem with 802.11b and 802.11g network interface. Simple WLAN to RS232 bridge with embedded web server. Pin compatible with Analog, ISDN and GSM socket modems.

## Benefits:

- Enables any device to send and receive data via WLAN 802.11b and 802.11g network.
- Based on Motorola W24, one of the most successful modules available and ideally suited for a wide range of M2M applications.
- FCC, CE and EMC regulatory approvals. Full approved in Europe, and other countries.

## Functions:

- AT-Command Set Interface Protocol (AT+I command set for W24) .
- DTE speed from 2400 – 230'400 bps (Auto BR).
- Wi-fi data rates: 1 Mbps – 54 Mbps (auto fallback).
- Modulation Schemes: 802.11b and 802.11g
- TX Power: 802.11b = 17dBm, 802.11g = 15dBm
- RX sensitivity: 11b = -86dBm, 11g = -71dBm
- Embedded protocols: TCP/IP, UDP, FTP, SMTP/POP3, HTTP client, DHCP client + server, PPP, Telnet, DNS.
- Embedded Web Server, Internal Web Site.
- Infrastructure station mode, Ad-hoc Station mode (IBSS).

## Security Features:

- WLAN security protocols: WEP, WPA2
- Encryption: SHA, AES, 3DES
- General protocols : SSL3, TLS1
- Authorization: Authorized user only allowed accessing the unit for remote configuration and firmware upgrade.
- Firmware upgrade: Over-the-air (OTA) and serial interface.

## Specifications:

- Compact Size: 64.5 X 26.5 X 10 mm.
- Single 3.3V or 5.0V DC power supply.
- Typical Power use average: 300mA @ 5V
- Serial RS-232 interface with TTL levels.
- Integrated MMCX Antenna Interface.
- Operating temp.: -20°C to +60°C
- 2 Year warranty.



Ordering: **XM8000S**  
**XM8000S-3V**

Pin Diagram		Pin No	Name	Pin No	Name
1	NC	64	SPEAKER		
2	NC	63	GND Analog		
		62			
		61			
		60			
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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	T <sub>A</sub>	-20° to + 60°	°C
Extended temperature (ET Version)	T <sub>A</sub>	-30° to + 85°	°C

Power Requirements	Typical Current (mA)	Max. Current (mA)
XM7000S	270	305
Average Idle	18,0	20,0
Sleep mode	2,0	2,5

Additional Documentation	Doc Nr.
Designers Guide	XM8000S-E00-100
AT Command Manual	XM8000S-A00-100

Contact Information	
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