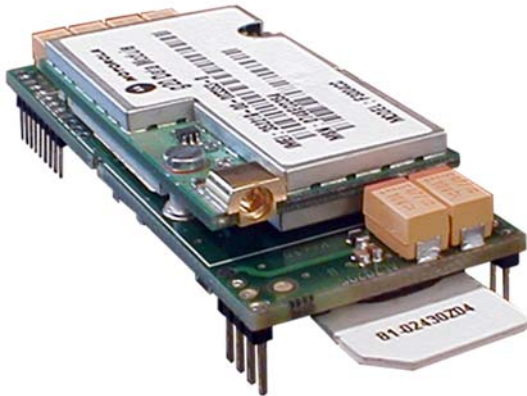


AL7024S

Embedded GSM Socket Modem

xmodus
SWISS



GSM socket modem with dual band 900/1800Mhz, GPRS multi slot class 10 and Class B multiplexing. EDGE class 10, quad band and Java versions available.

Benefits:

- Enables any device to send and receive data via dual band 900/1800 MHz GSM network.
- Based on Motorola G24, one of the most compact modules available and ideally suited for a wide range of M2M applications.
- Pin compatible and exchangeable with Analog, ISDN and LAN socket modems from xmodus.
- FTA, FCC, IC, PTCRB, GCF 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.
- Dual band 900/1800Mhz (quad band version optional).
- Class 4 (2W @ 900 MHz)
- Class 1 (1W @ 1800MHz)
- RX sensitivity -106dBm
- GPRS multi slot classes up to Class 10
- GPRS Class B multiplexing.
- GPRS max. BR 85.6 Kbps (CS4)
- CSD max. BR 14.4 Kbps
- EDGE multi slot class 10 with max. BR downlink 236.8 Kbps (optional).
- Sleep mode < 2.5mA @ DRX9

Connectivity:

- Transparent, V.32bis and V.110 transmission protocols.
- Automatic fax group 3 (Class 1)
- Multiplexing protocol (ETSI 07.10) enables up to 4 virtual channels.
- Embedded TCP/IP and UDP/IP protocol stack. Embedded FTP.
- SMS services features MO/MT text and PDU modes
- Java open Interface with 10MB of application memory (optional).
- Embedded SMTP/POP3 - email.
- SSL Secure connection.

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 RS-232 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°, extended temp. on demand.
- 2 Year warranty.


Ordering: **AL7024S**
AL7024S-3V

Pin Diagram		Pin No	Name	Pin No	Name
1	NC	64	SPEAKER		
2	NC	63	GND Analog		
		62			
		61			
		60			
		59			
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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 _A	-20° to + 60°	°C
Extended temperature (ET Version)	T _A	-30° to + 85°	°C

Power Requirements	Typical Current (mA)	Max. Current (mA)
AL7024S in a call @PCL5	270	305
Average Idle	18,0	20,0
Sleep mode @DRX9	2,0	2,5

Additional Documentation	Doc Nr.
Designers Guide	AL7024S-E00-106
AT Command Manual	AL7024S-A00-102
Quick Start Manual	AL7024S-QSM-101

Contact Information	
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