

Order-No: M76100 - GSM/GPRS Modem with omni-directional antenna
M76140 - GSM/GPRS Modem with directional antenna
M71100 - Modem

- **Data transfer by mobile telecommunications**
- **Compatible with Ammonit measuring systems**
- **Selectable quad band 850/900/1800/1900**
- **Email despatch via GPRS**
- **USB interface**



When meteorological stations are in remote locations, there is usually no access to mains electricity and a telephone line. In order to transfer measurement data from the met mast to the host, remote communication systems are commonly used.

The FXT009 modem is a quad band programmable gateway which supports EU bands (EGSM900/DCS1800) and US bands (GSM850/PCS1900). Users may switch from one supported band to another by using AT commands. To access the modem a terminal program (e.g. PuTTY) should be installed on your computer.

- AT+WMBS=5 (to switch to 850/1900 MHz)
- AT+WMBS=4 (to switch to 900/1800 MHz)
- AT+WMBS=7 (to switch to 850/900/1800/1900 MHz)

Please restart the modem after modification.

Air Interface	GSM /GPRS
Frequency Bands	850 / 900 / 1800 / 1900
Power	
Standby and Idle	2.5 mA
GSM / GPRS max	400 mA max (GPRS class 10 33dBm)
LED Status Indicator	1; red
Interfaces	
USB	1 Mini USB Device Port
Device Dimensions	
Normal operating cell temperature	89 x 60 x 30 mm
Operational Temperature	
	-30 °C ... +75°C
Power Supply	
Supply Voltage	4.75 ... 32 V
Supply Current	600 mA @ 4.75 V (average)
Supply Cable with Fuse	DC-IN/red; Ground/black; T2A (T = time lag)
Antenna	
Antenna Interface	SMA
Impedance	50Ω

Last Modification: 2012-02-01