

MICROSTAR

# MSM-485/232

Wireless GSM/GPRS Modem

Hot-Pluggable Module for Smart Meters



## FEATURES

- Quad-band GSM/GPRS modem compatible with global networks
- Industrial grade modem with superior reliability and durability
- -40°C~+80°C temperature range suitable for indoor & outdoor install
- Hot-pluggable RJ-45 interface (interchangeable with Wi-Fi adapters)
- Powered by meter without needing separate power supply
- Compatible with DLMS/COSEM, IEC 62056-21 or MODBUS protocol
- Support remote wakeup and configuration via SMS
- Power and network status LED for easy diagnostics
- Support local/remote programming

## TECHNICAL SPECIFICATIONS

Frequency	GSM 850/900/1800/1900 MHz
Sensitivity	-106dBm
Maximum Transmission Power	EGSM900 Class 4(2W) DCS1800 Class 1(1W)
Instantaneous Current	Max. 2A
Working Current	210 mA
Waiting Current	2.5 mA
Working Voltage	4.6V~5.6V (5V recommended)
Transport/Network Protocol	TCP/IP, UDP
Application Layer Protocol	DLMS/COSEM, IEC 62056-21, or MODBUS
Connector	RJ-45

## APPLICATION

- GSM/GPRS based AMR Solutions
- Microstar P2000-T, P2000-D or C2000 series smart meters
- Integrate smart meters into Advanced metering infrastructure (AMI) system

## BENEFITS

- Reliable industrial grade module
- CE, FCC, NTRA Certificated
- Hot-pluggable & easy to install RJ-45 interface
- Good signal reception w/ special EMI/EMC design
- Modular design for maximum communication flexibility (interchangeable w/ Wi-Fi or Ethernet adaptors)



(back view)

(side view)