

M12 GPRS Modem Datasheet

Product Introduction

The M12 GPRS Modem allows products to immediately offer the full benefits of GPRS technology, such as permanent online connections plus cost-efficient, high-speed data transmission. The M12 GPRS Modem can be used with a wide range of applications.

Accelerate development and implementation by simply plugging the M12 GPRS Modem into your products. It is backwards compatible with the M12 GPRS Modem and offers additional features.

The ultra-compact dual-band M12 GPRS Modem has all the right industry standard interfaces for GPRS Class10 data/voice/SMS and fax applications.



Application

- Remote Data Monitor and Control
- Water, gas and oil flow metering
- AMR (automatic meter reading)
- Power station monitoring and control
- Remote POS (point of sale) terminals
- Traffic signals monitor and control
- Fleet management
- Power distribution network supervision
- Central heating system supervision
- Weather station data transmission
- Hydrologic data acquisition
- Vending machine
- Traffic info guidance
- Parking meter and Taxi Monitor
- Telecom equipment supervision (Mobile base station, microwave or optical relay station)

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Benefits and Features

- Industrial design with intelligent software capabilities, reliable cellular solution for data collection and transmission
- Plug-and-play design with easy-to-use software interface for easy integration
- Easily manage and control distributed remote devices over the air
- Built-in Watch Dog
- Remote Data Monitor and Control
- Reliable GSM/GPRS network connectivity, providing fast and cost-effective long-range wireless communication ● Voice ,GPRS ,SMS supported

Specification

Wireless	
Mobile Networks	M12H111 GPRS phase2/2+,EGSM 900MHz/DCS 1800MHz GSM 850MHz/PCS 1900MHz M12Z111 GSM 850MHz/EGSM 900MHz/DCS 1800MHz/PCS 1900MHz M12Z1411/ M12AZ1411 EGSM 900MHz/DCS 1800MHz M12Z1511/M12AZ1511 GSM 850MHz/EGSM 900MHz/DCS 1800MHz/PCS 1900MHz M12AC111 GSM 850MHz/EGSM 900MHz/DCS 1800MHz/PCS 1900MHz M12S211 GPRS phase2/2+,GSM 900MHz/GPRS 1800MHz M12O111 GSM/GPRS EGSM 900MHz/DCS 1800MHz/PCS 1900 MHz
Data	
GPRS	Downlink up to 85.6kbps Uplink up to 21.4kbps
GSM	GSM phase 2/2+

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CSD	Downlink/Uplink up to 14.4kbps
Interface	
Antenna	50Ω SMA female interface
Serial port	DB9(RS232)
Led	Power Ring Data
UIM/SIM	1.8V/3V
Power	
Power supply	DC7V-28V , typical DC12V1A
Power consumption	Peak: <0.6A@+12VDC Average : 28mA@+12VDC Idle : 3.5mA@+12VDC
Software	
User interface	AT command set
Physical	

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Operating Temperature	M12S211,M12O111 Work temperature : -20°C~55°C Storage temperature : -25°C~70°C
	M12Z111 Work temperature : -30°C~80°C Storage temperature : -40°C~85°C
	M12Z1411 Work temperature : -30°C~80°C Storage temperature : -40°C~85°C
	M12AZ1411 Work temperature : -30°C~80°C Storage temperature : -40°C~85°C
	M12AZ1511 Work temperature : -30°C~80°C Storage temperature : -40°C~85°C
	M12AC111 Work temperature : -30°C~80°C Storage temperature : -40°C~85°C
	M12H111 Work temperature : -30°C~75°C
	Storage temperature : -40°C~70°C
Humidity	95% Maximum (Non-condensing)
Dimensions	Item (L x B x H): 75mm x 50mm x 16mm (5.3" x 3.7" x 1.4") Packaging (L x B x H): 260mm x 190mm x 65mm (10.3" x 7.5" x 2.6")
Weight	Item: 200g Packaging: 2.0 lbs
Electromagnetic Compatibility	Anlistatig test : Class 3 Radio electromagnetism test : Class 3
Others	
Warranty	1 Year

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Package Contents	The M12 Series Modem DB9 Serial Cable DC 9V1A Power Adapter Antenna CD-ROM with Product Documentation
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NOTE : The led of M12AZ1411 and M12AC111 is RING、 DATA and SERIAL

Products models

M12S211 GPRS Modem, Siemens MC39i module,
M12Z111 GPRS Modem, ZTE ME3000 module,
M12Z1411 GPRS Modem, ZTE ME3000V2 module of Asian,
M12AZ1411 GPRS Modem, ZTE ME3000V2 module of Asian, M12Z1511
GPRS Modem ,ZTE ME3000V2 module,
M12AZ1511 GPRS Modem ,ZTE ME3000V2 module,
M12AC111 GPRS Modem,Wavecom Q39 module
M12H111 GPRS Modem ,Huawei GTM900 module,
M12O111 GPRS Modem ,Simcom 300z module
M12O211 GPRS Modem ,Simcom 300c module