

EL-G282 Series Modem Datasheet



>>| Product Introduction

The EL-G282 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 EL-G282 GPRS Modem can be used with a wide range of applications.

Just plug & play: Accelerate development and implementation by simply plugging the EL-G282 GPRS Modem into your products. It is backwards compatible with the EL-G282 GPRS Modem and offers additional features.

The ultra compact dual-band EL-G282 GPRS Modem has all the right industry standard interfaces for GPRS Class 8 data, voice, SMS and fax applications. It can be powered by a wide range of voltages. A built-in SIM card reader makes it easy to plug the EL-G282GPRS Modem into your application. It has full type approval according to R&TTE, GCF as well as approvals for E-marking

Please Note: The accessories, AC adapter, RS232 cable and GSM antenna will be required, along with a GSM/GPRS SIM card to operate and use the unit.

E-Lins' mobile data products are widely used in more than 50 countries and regions, and more than twenty industrial fields, such as power control, water schedule, traffic, oil field, weather forecast, environmental protection, street lamp control, post, bank and many other areas.

>>| 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)

>>| Features

- Industrial design with intelligent software capabilities, making it a 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
- Easy-to-use
- Industrial design with surge protection
- No need to build expensive fixed line network, saving cost substantially

>>| Specification

Wireless	
Mobile Networks	<ul style="list-style-type: none"> ● G282HGT900 GPRS phase2/2+, EGSM900/GSM1800 GSM850/GSM1900 ● G282ZME3000 GSM 850/EGSM 900/DCS 1800/PCS 1900 ● G282SMC39I, GPRS phase2/2+, GSM900 and GPRS1800
Data	
GPRS	Downlink up to 85.6kbps Uplink up to 21.4kbps
GSM	GSM/ GSM phase 2/2+
CSD	Downlink/Uplink up to 14.4kbps
Interface	
Antenna	50Ω SMA female interface

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Serial port	DB9(RS232) / RS485
Led	Power Ring Data
UIM/SIM	1.8V/3V
Power	
Power supply	DC5V-25V , typical DC9V1A
Power consumption	Peek: < 2.5mA@+9VDC Speech: 300mA@+9VDC Sleep: 3.5mA@+9VDC
Software	
Device Management	AT command set
Physical	
Operating Temperature	<ul style="list-style-type: none"> • G282SMC39I Work temperature: -20°C ~ 55°C Storage temperature: -25°C ~ 70°C • G282ZME3000 Work temperature: -30°C ~ 80°C Storage temperature: -40°C ~ 85°C • G282HGTM900 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:
Electromagnetic Compatibility	Anlistatig test: Class 3 Radio electromagnetism test: Class 3
Others	
Warranty	1 Year
Package Contents	<ul style="list-style-type: none"> • The EL-G282 Series Modem • DB9 Serial Cable

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- DC 9V1A Power Adapter
- Antenna
- CD-ROM with Product Documentation

>>| Products models

- G282SMC39I GPRS Modem, Siemens MC39i module,
- G282ZME3000 GPRS Modem, ZTE ME3000 module,
- G282HGTM900 GPRS Modem, Huawei GTM900 module,