



GSM/GPRS Modem

## Overview

The ADR-M2310 GSM/GPRS Modem is a Dual-Band device which has been specially designed for SMS and fax communication and applications transmitting a low volume of data. The wireless communications unit is protected by robust industrial housing that also features a series of standard connectors and a SIM cardholder.

Being a standalone device, this plug-and-play solution, comes equipped with standard connectors for power supply, antenna and serial port.

On account of its focus on GSM/GPRS communication, and its robust casing, the ADR-M2310 GSM/GPRS Modem is particularly suited for M2M applications with a low data transfer volume. This makes it a product that can be employed in a wide range of business fields – metering, remote maintenance, transportation and logistics, traffic systems, vending machines, security, and facility management.

## Applications

- POS terminals and scanners
- Vending machines
- Security systems
- Remote telemetry and telematics systems
- Fleet management and tracking systems
- Traffic control and navigation systems
- Remote Data Monitor and Control
- AMR (automatic meter reading) for power, water, gas, oil meter
- Power station monitoring and control
- Traffic signals monitor and control

- Power distribution network supervision
- Central heating system supervision
- Weather station data transmission
- Hydrologic data acquisition
- Parking meter and Taxi Monitor
- Telecom equipment supervision (Mobile base station, microwave or optical relay station)

## Benefits and Features

- Industrial design for small dimension
- Robust industrial housing
- GPRS Dial-up, SMS, CDS, FAX function
- DC7~48V wide range, low power consumption
- Watch Dog
- RS-232/RS-485/TTL

## Specification

General Features	
Frequency Bands	850/900/1800/1900 MHz
Configure	AT commands
Electric current	1.3mA@DRX=5, 1.2mA@DRX=9
Power supply voltage	3.3~4.6V
SIM Application Toolkit	Support
Voltage	DC7~48V
Temperature	Normal operation temperature: -30° C to +75° C Extended operation temperature: -40° C to +85° C Storage temperature -45° C to +90° C
Humidity	0% ~ 95% relative humidity
Dimensions	75mm x 50/72mm(fix hole) x 16mm
Weight	125g

GPRS	
GPRS Connectivity	GPRS Multi-Slot Class 12 GPRS Mobile Station class B
Speed	GPRS Multi-slot Class 12 Downlink: 85.6kbps, Uplink: 85.6kbps
Coding Scheme	CS-1, CS-2, CS-3 and CS-4
Authentication Protocol	PAP / CHAP

Interfaces	
Antenna	50Ω / SMA / Female
Power Supply	Φ 5.5mm / 2.5mm
SIM Card Holder	Mini-SIM card, 1.8 / 3.3V
Serial Port	V.24 / V.28 interface on the 9-terminal sub-D socket
Data Interface	RS-232 / RS-485 / TTL
LED	Power Ring Data

Others	
Warranty	1 Year
Package Contents	The ADR-M2310 GSM/GPRS Modem DB9 Serial Cable DC 12V1A Power Adapter Antenna