

AM1000 Modem Specification

Support 2G/3G/4G Cellular Terminal



Applicable Models:

Product Type	Model	Product Name
Standard	AM1000-G	GPRS Modem
	AM1000-C	CDMA Modem
	AM1000-W	WCDMA Modem
	AM1000-E	EVDO Modem
	AM1000-D	TDD/FDD-LTE Modem

General

AM1000 MODEM is a kind of cellular terminal device that provides SMS, dial-up and CSD function by public 2G/3G/4G cellular network. It adopts high-powered industrial cellular module and supports RS232 port that can conveniently connect one device to a cellular network, allowing to connect to existing serial device.

It has been widely used on M2M fields, such as intelligent transportation, smart grid, postal services, industrial automation, telemetry, finance, POS, water supply, environment protection, post, weather, and so on.

Application Topology



Product Feature

Items	Contents
Industrial Design	High-powered industrial cellular module
	Housing: iron, providing IP30 protection.
	Power range: DC 5~35V
High Reliability	RS232 port: 15KV ESD protection
	SIM/UIM port: 15KV ESD protection
	Power port: reverse-voltage and over voltage protection
	Antenna port: lightning protection(optional)
Standard and Convenience	Support standard RS232 port that can connect to serial devices directly
	Provide dial-up software that can make it always online
	Provide SMS tool software
	Support standard AT command
High-performance and Security	Support SMS, dial-up and CSD function
	Support APN/VPDN

Product Specification

Items	Contents	
Interface	Serial	1 RS232 port, 15KV ESD protection Data bits: 5, 6, 7, 8 Stop bits: 1, 1.5(optional), 2 Parity: none, even, odd, space, mark Baud rate: 110~230400 bps
	Antenna	Standard SMA female interface, 50 ohm, lighting protection (optional)
	SIM/UIM	Standard 3V/1.8V user card interface, 15KV ESD protection
	Power	Standard 3-PIN power jack, reverse-voltage and over voltage protection
	Indicator	"PWR", "ACT", "Online"
Network	Wireless Network	GSM/GPRS/EDGE: 850/900/1800/1900MHz CDMA: 800/1900MHz WCDMA/HSUPA/HSPA+: 850/900/1900/2100MHz

		CDMA2000 1x/ EVDO Rev. A: 800/1900MHz TD-SCDMA: 1880-1920/2010-2025MHz(A/F) TDD-LTE: Band 38/39/40/41 FDD-LTE: Band 1/3/5
	PPP Protocol	Support PPP Protocol
	PPP Heartbeat	Maintaining links with the cellular network to prevent forced sleep, to ensure the stability of dial-up link.
	Network Authentication	Support CHAP/PAP Authentication
	TCP Heartbeat	Monitor the server connection
Power supply	Standard Power	DC 12V/1.5A
	Power range	DC 5~35V
	Consumption	<150mA (@12VDC)
Physical	Dimensions	91x59x23mm
	Weight	165g
Environmental Limits	Operating Temperature	-35~+75°C (-31~+167°F)
	Storage Temperature	-40~+85°C (-40~+185°F)
	Operating Humidity	95%(unfreezing)