


Specification of M2M Industrial GPRS MODEM	
	
Model No.	CM3100
Cellular Parameters	
Item	Content
Cellular	GPRS/GSM
Standards and frequency bands	Support EGSM900/GSM1800MHz dual-band,800/900/1800/1900MHz quad-band
	GPRS multi-slot class 10
	Accord with the technical specification of SMG31bis
	Compliant to GSM phase 2/2+
	Support data, short message and fax
Coding scheme	CS1~CS4
Bandwidth	85.6Kbps
TX power	GSM 850/900: <33dBm
	GSM 1800/1900: <30dBm
RX sesitivity	<-107dBm
Interface Type:	
Item	Content
Serial port	1 RS232 serial port, 15KV ESD protection
	Data bit: 7 or 8 bit
	Stop bits: 1 or 2 bit
	Parity: no parity, odd parity, even parity,SPACE & MARK
	Serial speed: 110-230400bps
Indicator	POWER and on-line indicator
Antenna Interface	Standard SMA female interface, 50 ohm
SIM/UIM	Standard 3V/1.8V user card interface, 15KV ESD protection
Power Interface	Standard 3-pin power jack, reverse-voltage and over voltage protection
Power supply:	
Item	Content



Supply voltage	Wide voltage design, DC 5V to the DC32V power supply directly to the device; and built-in power supply over-voltage protection and reverse current protection
Standard power supply	DC9V/500mA
Current while Communicating	Average communication current : 90mA @ +9 VDC;
	standby current: 1.0A @9 V
Physical features:	
Item	Content
Housing	Metal housing: metal case, anti-radiation, anti-interference; shell and system security isolation, thunder protection design; meet the power requirements of safety regulations; protection rating IP30; particularly suit for harsh industrial control environments.
Product dimensions	81*55*20 mm (not include the antenna and the fixed parts)
Packing Size	298x226x60mm
Weight	0.19kg
Other parameters:	
Item	Content
Operating Temperature	-25 °C ~+65°C
Extended operating temperature	-35~+75°C
Storage Temperature	-40~+85°C
Relative Humidity	95 %(No condensation)
Features	
1,High-powered industrial cellular module	
2,Housing: Metal, Providing IP30 protection.	
3,wide power range from DC5V-35V.	
4,RS232 port with 15KV ESD protection	
5,SIM/UIM Port: 15KV ESD protection	
6,power port: reverse-voltage and over voltage protection	
7,Antenna port: lightning protection	
8,Support standard RS232 port that can connect to a serial device directly	
9,Provide dial-up software that can make it always online	
10,Provide SMS tool software	
11, Support standard AT command	
12, Support SMS, dial-up and CSD function	
13, Support APN/VPDN	