

### Specification of M2M Industrial GPRS DTU



<b>Model No.</b>	<b>CM3150P</b>
<b>Cellular Parameters</b>	
<b>Item</b>	<b>Content</b>
Cellular	GPRS/GSM mode
Standards and frequency bands	Support EGSM900/GSM1800MHz dual-band, GSM800/900/1800/1900MHz quad band optional Support GSM phase 2/2+ Support GPRS multi-slot class 10, class 12 optional
Coding scheme	CS1~CS4
Communication bandwidth	Theoretical bandwidth: 171.2Kb/s; practical bandwidth: 100Kbits>X>20Kbits
Transmit power	GSM850/900: <33dBm; GSM1800/1900: <30dBm
Receiver sensitivity	<-107dBm
<b>Hardware system</b>	
<b>Item</b>	<b>Content</b>
CPU	Industrial high-performance embedded processor; with cache, high-speed cache data speed up data access, high-speed instruction cache, enhanced instruction processing speed
MMU	CPU with MMU memory management unit, can prevent memory overflow
Flash	64Mbits (expandable to 256Mbits) have enough memory to store programs and data (the actual type shall prevail)
SDRAM	512Mbits (expandable to 2048Mbits), a large enough cache to improve system operation speed (the actual type shall prevail)
<b>Operating System</b>	
<b>Item</b>	<b>Content</b>
Operating System	Using LINUX2.6.28 operating system with memory management unit and real-time feature, upgrades is very fast and system is stable
<b>Interface Type:</b>	



Item	Content
Serial port	1 RS232 or RS485 serial port  Data bit: 7,8 bit  Stop bits: 1, 2-bit  Parity: no parity, odd parity, even parity, SPACE and MARK parity  Serial speed: 110bps ~ 115200bps  Flow Control: None flow control, RTS / CTS hardware flow control or XON / XOFF software flow control
Indicator	With power, ACT communication and online indicator
Antenna Interface	Standard SMA female interface,50ohm; optional 3M/5M/10M/15M antenna extension cable, meet the different needs of customers
UIM interface	1.8V/3V/5V standard putter user card interface, built-in 15KV ESD protection
Power Interface	Standard 3-pin power jack

**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/1.5A
Current while Communicating	Average communication current : 350mA @ +9 VDC; Communicating instantaneous peak current: 1.0A @ +9 VDC
Standby current	Standby average current: <35mA @ +9 VDC

**Physical features:**

Item	Content
Shell	Metal shell: metal case, anti-radiation, anti-interference; shell and system security isolation, lightning protection design; meet the power requirements of safety regulations; protection rating IP41; particularly suit for harsh industrial control environments
Product dimensions	92x62x22 mm (not including the antenna and the fixed parts) (the actual type shall prevail)
Packing Size	298x226x60mm (the actual type shall prevail)
Weight	0.41kg (the actual type shall prevail)

**Other parameters**

Item	Content
Operating Temperature	-25°C ~+65°C



Extended operating temperature	-35 °C~+75°C
Storage Temperature	-40~+85°C
Relative Humidity	95%(No condensation)
<b>Feature</b>	
1, Remote wakening: support the wakening ways like SMS, voice, data and disconnection overtime	