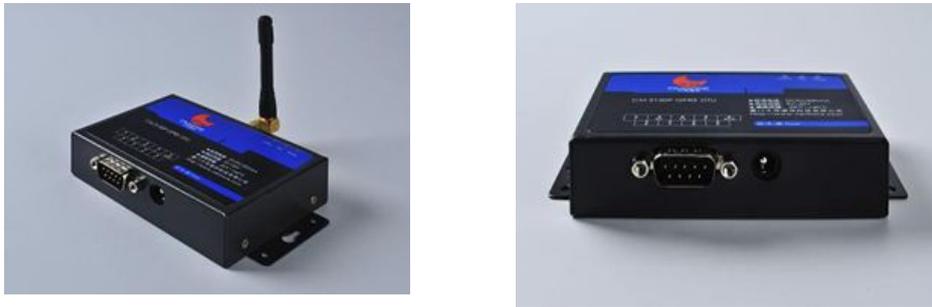


| Specification of M2M Industrial WCDMA DTU  |   |
|--|---|
|   |   |
| <b>Model No.</b>   | <b>CM8150P (WCDMA)</b>  |
| <b>Cellular Parameters</b>   |   |
| <b>Item</b>  | <b>Content</b>  |
| Cellular   | UMTS/HSDPA/HSUPA/WCDMA/EDGE/GPRS/GSM  |
| Standards and frequency bands  | Support UMTS/HSDPA/WCDMA 850/900/1900/2100MHz<br>Dual-band EGSM 850/900/1800/1900MHz<br>Support GPRS/EDGE CLASS 12  |
| Coding scheme  | HSDPA/HSUPA/WCDMA/EDGE/GPRS/CSD model   |
| Communication bandwidth  | HSDPA/HSUPA model: Downlink up to 7.2Mbps,Uplink up to 5.76Mbps<br>WCDMA model: Downlink/Uplink up to 384Kbps   |
| Transmit power   | <24dBm  |
| Receiver sensitivity   | <-109dBm  |
| <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  | 256Mbits (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>   |   |
| <b>Item</b>  | <b>Content</b>  |



|   |  |
|---|--|
| Serial port   | 1 RS232 serial port<br><br>Data bit: 7,8 bit<br><br>Stop bits: 1, 2-bit<br><br>Parity: no parity, odd parity, even parity, SPACE and MARK parity<br><br>Serial speed: 110bps ~ 115200bps<br><br>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  |
| <b>Power supply</b>   |  |
| <b>Item</b>   | <b>Content</b>   |
| Supply voltage  | Wide voltage design, DC 5V to the DC32V power supply directly to the   |
| Standard power supply   | DC9V/1.5A  |
| Current while Communicating   | Average communication current : 350mA @ +9 VDC;<br>Communicating instantaneous peak current: 1.0A @ +9 VDC   |
| Standby current   | Standby average current: <35mA @ +9 VDC  |
| <b>Physical features:</b>   |  |
| <b>Item</b>   | <b>Content</b>   |
| Shell   | Metal shell: metal case, anti-radiation, anti-interference; shell and system   |
| Product dimensions  | 92x62x22 mm (not including the antenna and the fixed parts)  |
| Packing Size  | 298x226x60mm (the actual type shall prevail)   |
| Weight  | 0.41kg (the actual type shall prevail)   |
| <b>Other parameters</b>   |  |
| <b>Item</b>   | <b>Content</b>   |
| 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  |  |
| 2, Support dual data centers backup and multiple data centers (8) to receive data; it can support the maximum number 256 of sending centers |  |



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| 3, Support serial port software upgrade   |
| 4, Support LINUX, UNIX and WINDOWS operating system at the same time  |
| 5, Improved network support: support including 2G network (GSM network), 2.5G network (GPRS network), 2.75G network (EDGE network), 3G network (WCDMA network, EVDO network, TD-SCDMA network), 4G network (HSPA+ network, LTE network), all networks supported |
| 6, Abundant interfaces: provide RS232 interface or RS485 interface or TTL interface or RS422 interface or USB interface, all interfaces supported   |
| 7, Support fixed IP communication mode: support DDNS dynamic domain name communication mode   |
| 8, TCP transparent data transmission and UDP transparent data transmission; support multiple operating modes  |
| 9, Intelligent anti-dropped, support online testing, online maintenance, automatic re-dial, ensure the equipment is always on-line  |