

Over View

WL-M100 family industrial 3G cellular Modem with RS232/RS-485 interface is a modem that provides SMS and dial-up function by 3G/4G Cellular network cater for industrial application requirement.

Thanks to the high performance M2M module, robust metal case and a wide operating temperature range, enable WL-M100 well suitable for industrial application. The configuration and controlling can be made using AT-commands.



Features

Industrial Class Design

- High-powered Industrial cellular module provide the strong anti-jamming ability
- PCB comply to 3H and 3W
- Wide range Voltage power supply

Flexibility and Convenience

- Support standard RS232/RS485 interface that can plug into industrial PC or end RS232 /RS485 device
- Plug & Play solution for quick and easy integration , flexible and reliable
- Control the power on/off by interface control line, easy for user device to control the operation of the modem

Stability and Reliability

- The modem support serial I/O hardware reset to ensure always online
- Link detection and watch-dog design, support WDT to ensure always online transmission
- UIM/SIM SIM card ESD Protection: 1.8V/3V Standard
- RS232 Interface ESD protection
- Robust Metal Case and anti-lightning protection
- Provide IP30 protection

Specification

Cellular Network	<ul style="list-style-type: none"> ● Network and Frequency Band: FDD-LTE / TDD-LTE: 800/900/1800/1900/2100/2600 HSDPA 2100/1900/900/850Mhz EDGE/GPRS/GSM 850/900/1800/1900Mhz ● CSD Up to 9.6kbps ● Cellular Antenna: SMA-K(Female) ● SIM Slot : 1x 1.8V - 3.3V 	
LED instruction	<ul style="list-style-type: none"> ● Power ● Net 	
Power	<ul style="list-style-type: none"> ● Voltage: DC +5~26V (standard 12V/1A power adapter) ● Consumption: Transfer mode: 45mA/12v (Average), Idle mode: 17mA/12V (Max) 	
Serial Interface	<ul style="list-style-type: none"> ● Port: 1x DB9 female ● Serial Standard: RS-232, RS-485 Optional ● ESD Protection: ±15KV ● Rate: 300-115200bps 	
Physical	<ul style="list-style-type: none"> ● Housing: Metal ● Dimension: 70.5mm x 55.5m x 22mm (not including antenna) ● Installation: Wall Mount or Desktop 	
Others	<ul style="list-style-type: none"> ● Operation temperature: -30 ~ +75 degree ● Store temperature: -40 ~ +85 degree ● Related humidity: <95% (non-condensing) ● Guarantee: one year 	
Part Number	Network	Interface
WL-M100-1	HSDPA 900/2100MHz	RS-232 / RS-485
WL-M100-2	HSDPA 850/1900MHz	RS-232 / RS-485
WL-M100-3	LTE 800/900/1800/2100/2300/2300/2600MH	RS-232 / RS-485