

Over View

WL-M300 family industrial 3G/4G cellular Modem with USB interface is the modem that provides SMS and dial-up function by 2G/3G/4G Cellular network cater for industrial application requirement. The configuration and controlling can be made using AT-commands.

The modem which supports up to 100Mbps downlink speed and 50Mbps uplink speed service can utilize the 4G/3G network for convenient and inexpensive data transfer from remote instruments, meters, computers or control systems in packet data. Due to the performance industrial module, robust metal case and a wide operating temperature range, this model is well suitable for industrial application.



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 USB2.0 interface that can plug into industrial PC or end USB 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
- USB Interface ESD protection
- Robust Metal Case and anti-lightning protection
- Provide IP30 protection

Specification

Model	WL-M301	WL-M302	WL-M303	WL-M304	WL-M305	WL-M307
Network						
GSM/GPRS	√	√	√	√	√	√
3G	HSPA+ 900/2100MHz	HSPA 2100/1900/900 /850MHz	HSPA+ 2100/1900 900/850MHz	HSPA+ 850/900/ 1900/2100MHz	HSPA+/UMTS 850/1900/AWS	HSPA+/UMTS 850/1900/2100 MHz
4G	-	-	-	FDD LTE 2600/2100/ 1900/1800/900/8 50/800MHz	FDD LTE 700/850/AWS/ 1900MHz z	FDD:1800/2100 /2600MHz TDD: 1900/2300 /2600MHz
Download	21Mbps	14.4Mbps	21Mbps	100Mbps	100Mbps	100Mbps
Upload	5.76Mbps	5.76Mbps	5.76Mbps	50Mbps	50Mbps	50Mbps
Interface						
USB	2.0					
RS-232	-	-	-	-	-	-
SIM Slot	√	√	√	√	√	√
Antenna	50Ω/SMA-K (female)	50Ω/SMA-K (female)	50Ω/SMA-K (female)	50Ω/SMA-K (female)	50Ω/SMA-K (female)	50Ω/SMA-K (female)
Software						
AT Command	√	√	√	√	√	√
Radio Power	<24dBm	<24dBm	<24dBm	23dBm+/-2dB @25°C	23dBm+/-2dB @25°C	23dBm+/-1dB @25°C
Receive Sensibility	<-106dBm	<-106dBm	<-106dBm	-97dBm @10MHz QPSK	-97dBm @10MHz QPSK	-97dBm @10MHz QPSK
Operation System	Windows 9x/ME/NT/2000/XP /Win7/ Linux					
Power Supply						
Power Supply	+5-32V DC	+5-32V DC	+5-32V DC	+5-32V DC	+5-32V DC	+5-32V DC
Consumption	Communication 460mA, Idling 25mA					
Other						
Housing	Metal, IP30 Protection					
Operation Temperature	-30 - 70°C	-30 - 70°C	-30 - 70°C	-30 - 70°C	-30 - 70°C	-30 - 70°C
Related Humidity	90%	90%	90%	90%	90%	90%
Dimension	64*73*26mm	64*73*26mm	64*73*26mm	64*73*26mm	64*73*26mm	64*73*26mm
Weight(g)	120	120	120	120	120	120
Warranty	1 year	1 year	1 year	1 year	1 year	1 year