Over View

WL-M303 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

Cellular Network	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
AT Command	Support
LED Indicator	Power Net
Power	Voltage: DC +5~26V (standard 12V/1A power adapter) SIM Slot : 1x 1.8V - 3.3V Comsumption: transimission 46mA, Idling 25mA Radio Power: 3G: <24dBm @3G, 4G: 23dBm+/-2dB @25 degree
Receive Sensibility	3G: <-106dBm 4G: -97dBm @10MHz QPSK
Interface	Antenna: SMA-K(Female), 50Ω SIM Slot: Standard SIM/R-UIM interface Port: USB 2.0 ESD Protection: ±15KV
Physical	Housing: Metal, IP30 Protection Dimension: 64mm*73mm*26mm (not including antenna) Installation: Wall Mount or Desktop Weight: 120g
Operation System	Windows 9x/ME/NT/2000/XP /Win7/ Linux
Environment	Operation temperature: -30 ~ + 75 degree Store temperature: -40 ~ + 85 degree Related humidity: < 95% (non-condensing)

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Ordering Information

Part Number	Network	Frequency Band	Interface
WL-M303-1	HSPA+	900/2100MHz	USB 2.0
WL-M303-2	HSPA	850/900/1900/2100MHz	USB 2.0
WL-M303-3	HSPA+	850/1900/2100MHz	USB 2.0
WL-M303-4	FDD-LTE 4G	800/850/900/1700/1800/1900/2100/2600MHz Band 1, 2, 3, 4, 5, 7, 8, 20	USB 2.0
WL-M303-5	FDD-LTE 4G	700/850/1700/1900MHz Band 2,4,5,13,17,25,26	USB 2.0
WL-M303-6	FDD-LTE / TDD-LTE 4G	800/900/1800/2100/2300/2600MHz Band 1,3,7, 8,20, 38.40, 41	USB 2.0

Note:
The above list includes partial of WLINK models only, please consult WLINK sales person or distributor if can't find a suitable model from the above list.