

## 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    | <p>Network and Frequency Band:<br/> FDD-LTE / TDD-LTE: 800/900/1800/1900/2100/2600<br/> HSDPA 2100/1900/900/850Mhz<br/> EDGE/GPRS/GSM 850/900/1800/1900Mhz<br/> CSD Up to 9.6kbps</p>                      |
| AT Command          | Support                                                                                                                                                                                                    |
| LED Indicator       | <p>Power<br/> Net</p>                                                                                                                                                                                      |
| Power               | <p>Voltage: DC +5~26V (standard 12V/1A power adapter)<br/> SIM Slot : 1x 1.8V - 3.3V<br/> Consumption: transimission 46mA, Idling 25mA<br/> Radio Power: 3G: &lt;24dBm @3G, 4G: 23dBm+/-2dB @25 degree</p> |
| Receive Sensibility | <p>3G: &lt;-106dBm<br/> 4G: -97dBm @10MHz QPSK</p>                                                                                                                                                         |
| Interface           | <p>Antenna: SMA-K(Female), 50Ω<br/> SIM Slot: Standard SIM/R-UIM interface<br/> Port: USB 2.0<br/> ESD Protection: ±15KV</p>                                                                               |
| Physical            | <p>Housing: Metal, IP30 Protection<br/> Dimension: 64mm*73mm*26mm (not including antenna)<br/> Installation: Wall Mount or Desktop<br/> Weight: 120g</p>                                                   |
| Operation System    | Windows 9x/ME/NT/2000/XP /Win7/ Linux                                                                                                                                                                      |
| Environment         | <p>Operation temperature: -30 ~ + 75 degree<br/> Store temperature: -40 ~ + 85 degree<br/> Related humidity: &lt; 95% (non-condensing)</p>                                                                 |

## Ordering Information

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