

MATC 5G/ 4G/ LTE INDUSTRIAL CELLULAR MODEM

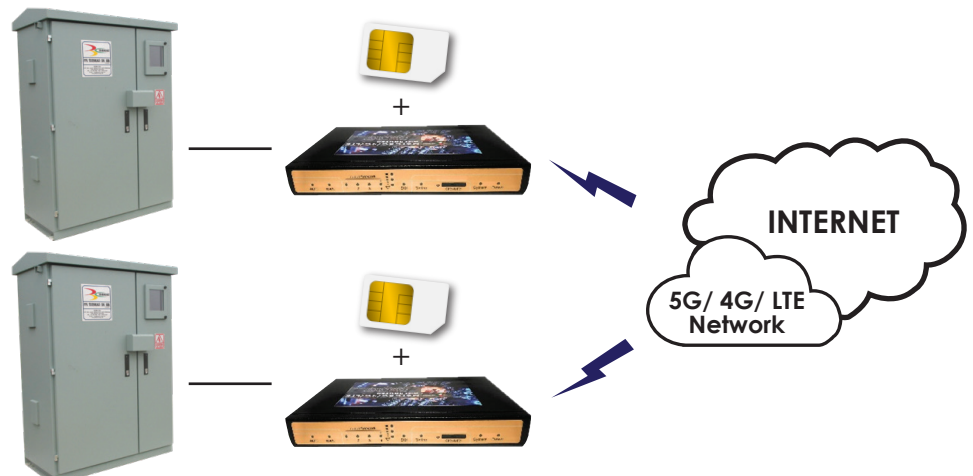
MATC 5G/4G/LTE Industrial Cellular Modem is a cellular terminal device that provides large data transfer function by public GPRS/ CDMA/ WCDMA/ LTE network. It adopts high powered industrial 32-bits CPU and embedded real-time operating system. It supports RS232 (or RS485/RS422), Ethernet and WIFI port that can conveniently and transparently connect devices to a cellular network, allowing you to connect to your existing serial, Ethernet and WIFI devices with only basic configuration.

It is widely used in M2M fields such as intelligent transportation, smart grid, industrial automation, and telemetry.



Key Features

- ✔ High-powered industrial 32 bits CPU.
- ✔ Support low-consumption mode, including sleep mode, scheduled online/ offline mode, scheduled power-on/ power-off mode (optional).
- ✔ Housing: iron, providing IP30 protection.
- ✔ Support auto recovery mechanism, including online detection, auto redial when offline to make Router always online.
- ✔ Ethernet port: 1.5kV magnetic isolation protection.
- ✔ RS232/ RS485/ RS422 port: 15kV ESD protection.
- ✔ SIM/ UIM port: 15kV ESD protection.
- ✔ Support standard RS232 (or RS485/ RS422), Ethernet and WIFI port that can connect to serial, Ethernet and WIFI devices directly.



QUALITY POLICY

It is our commitment to provide the service with the highest standard of safety, quality and reliability that meet the specified requirements and expectations.

Cellular Specifications

Standard and Band	FDD-LTE 2600/ 2100/ 1800/ 900/ 800 MHz, 700/ 1700/ 2100 MHz (optional) DC-HSPA+/ HSPA+/ HSDPA/ HSUPA/ UMTS 850/ 900/ 2100 MHz, 800/ 850/ 1900/ 2100 MHz (optional) EDGE/ GPRS/ GSM 850/ 900/ 1800/ 1900 MHz
Bandwidth	FDD-LTE: Download speed 100 Mbps, Upload speed 50 Mbps
TX power	<23 dBm
RX sensitivity	<-97 dBm

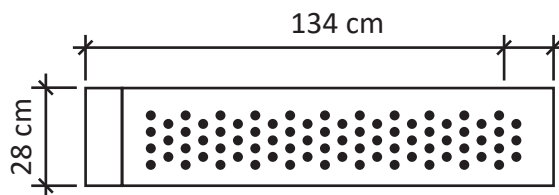
General Specifications

Standard	IEEE802.11 b/g/n
Bandwith	IEEE802.11 b/g: 54 Mbps (max) IEEE802.11n: 150 Mbps (max)
Security	WEP, WPA, WPA WPS (optional)
CPU	Industrial 32 bits CPU
Flash	16 MB (Extendable to 64MB)
DDR2	128 MB
Operating Temperature	-35~+75 °C (-31~+167 °F)

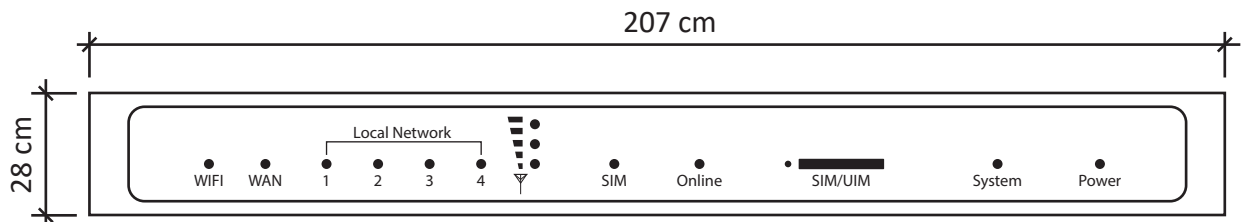
Interface Specifications

WAN	1 10/100 Mbps WAN port (RJ45), auto MDI/MDIX, 1.5 KV magnetic isolation protection
LAN	4 10/100 Mbps Ethernet ports (RJ45), auto MDI/MDIX, 1.5 KV magnetic isolation protection
Serial	1 RS232 (or RS485/ RS422) port, 15 KV ESD protection Data bits: 5,6,7,8 Stop bits: 1, 1.5 (optional), 2 Parity: none, even, odd, space (optional), mark (optional) Bound rate: 2400~115200bps
Indicator	"Power", "System", "Online", "Alarm", "Local Network", "WAN", "WIFI", "Signal Strength"
Antenna	Cellular: 2 standard SMA female interface, 50 ohm, lightning protection (optional) WIFI: 1 Standard SMA male interface, 50 ohm, lightning protection (optional)
SIM/UIM	Standard 3 V/1.8 V user card interface, 15 KV ESD Protection
Power	Standard 3-PIN power jack, reverse-voltage and overvoltage protection
Reset	Restore the router to its original factory default settings

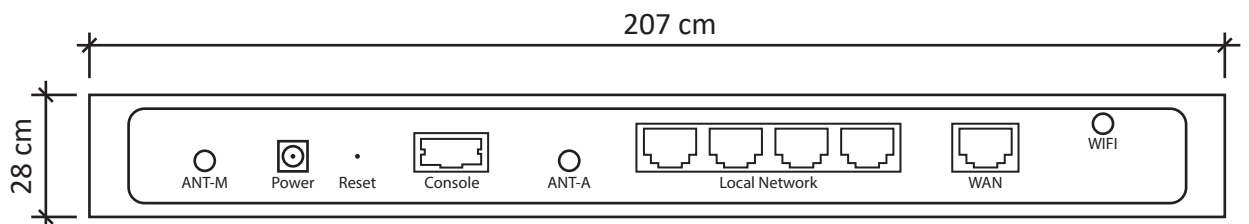
Side view



Front view






Rear view



DISCLAIMER

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