

# 4G MODEM

MODEL M463Q Cat1 Module



## General features

M463Q is 3G/4G cellular modem for data /networking communication over internet by remote control system.

- Support Thailand version
- Voltage Input 5V~24V
- 3GPP and Enhanced AT Commands
- Signal strength
- Status indicators
- Control via AT commands
- SIM card (1.8V/3V interface)
- RS-232 with RJ45 Interface
- 1 SMA External antenna connector
- 1 SMA External GPS connector
- Industrial grade components
- Dust-proof type
- GPS build-in
- Battery Backup (Option)
- Power Management (Option)
- Connector for Primary ,Rx-diversity

## RF Specifications

LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B28
LTE-TDD	B40
WCDMA	B1/B2/B5/B8
GSM	B2/B3/B5/B8

## Communication Interface

Port UART	2 UART
Port USB	1 Port USB 2.0 with High Speed
SIM Card	1 SIM 1.8V/3.0V (U)
Port Serial	RS-232 with RJ45 Interface

## Specifications for Data transfer

LTE-FDD	Max 10Mbps/ 5Mbps
LTE-TDD	Max 8.96Mbps/3.1Mbps
DC-HSPA	Max 42Mbps/5.76Mbps
WCDMA	Max 384Kbps / 384Kbps
EDGE	Max 296Kbps/ 236.8Kbps
GPRS	Max 107Kbps/ 85.6Kbps

## Environmental

Temperature	-40°C ~ +85°C Operating
Humidity	5 to 95% RH Operating

## Mounting

Certificate	EMI Standard Class B
Mounting	Wall Mount

## Input power

Input	DC 5 ~ 24V
Battery	3.6V 300mA (Option)

## Software

Work Mode	Transparent Transmission
Protocol	TCP/IP/IPv4/IPv6/UDP/FTP/FTPS/ HTTP/ HTTPS
AT Command	Serial Port/Network

## Antenna & GPS

GPS Antenna Connector	1575.42MHz±1.023MHz SMA
GSM 3G/4G	600-2700MHz 50 Ohm Gain 7 dBi Antenna SMA Connector
V.S.W.R	≤2

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