

## MGT571 Industrial 4G DTU

### Product description

MGT571 4G DTU is a product based on mobile, unicom, telecom netcom network of 4 G wireless data transmission terminal equipment for industrial users with TCP/IP network protocol of wireless data transmission channel. Providing transparent data channel to realize the bidirectional serial port to the network data transparent transmission, realizing the RS485 / RS232 / RS422 bus equipment with wireless data communication between the center control system.



### Features:

- Embedded NB-IOT DTU in the field of high-performance industrial communications, compatible with RS485/RS232/RS422 standard
- Support upper computer to configure/query equipment parameters through serial AT instruction;
- Support TCP Client and UDP Client
- Support 2-way Socket connection
- Support RS485, RS232, RS422 standard Bus
- Support network disconnect automatic reconnect function
- Support transparent transmission, Cloud Communication protocol, Ali MQTT, China Mobile OnetNet MQTT
- Ethernet interfaces up to 4KV lightning protection, RS-232/RS-485/RS-422 interfaces up to 2KV surge protection

## Product specifications

Hardware parameters	
Power supply	DC5-36V
Working current	56mA@12V,
Power protection	Protection against reverse connection
The network system	TDD LTE FDD LTE WCDMA/HSPA+ EVDO/CDMA 1X GSM/GPRS/EDGE TDSCDMA
Support the spectrum	B3, B5, B8, etc., supporting telecom, Mobile, Unicom networks
EMI	FCC Part 15,CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD):±8kV(contact),±15kV(air)
	EN61000-4-3 (RS):10V/m (80~1000MHz)
	EN61000-4-4 (EFT)
	Power Port:±2kV, Data Port:±2kV
	EN61000-4-5 (Surge)
	Power Port:±2kV/DM,±2kV/CM. Data Port:±4kV/DM,±4kV/CM.
	EN61000-4-5 (Surge)
Power Port:±2kV/DM,±2kV/CM. Data Port:±2kV	
	En61000-4-6 (radio frequency conduction) : 10V (150kHz ~ 80MHz)
	En61000-4-8 (Power frequency magnetic field) : 100A/m; 1000A/m, 1s to 3s
Impact	IEC60068-2-27
Falling	IEC60068-2-32
Shock	IEC60068-2-6
size	96mm*90mm*26mm
Working environment	
Operating temperature	-40°C~85°C
Storage temperature	-40°C~85°C
Ambient humidity	5%~95%( non-condensing)
Software parameters	
Network protocol	TCP ,UDP,FTP,DNS ,HTTP,ARP,ICMP,MQTT

User configuration	AT command
Simple passthrough	CP Client/UDP Client
MQTT	Ali MQTT/ China Mobile OneNet MQTT
A serial port to support	Either RS232/RS485/RS422
Serial port Baud rate	600~460800 ( bps )
Serial port packaging mechanism	Time and length can be set; Default 500ms packaging time, packaging length 1000Bytes
Web caching	Send: 1460byte; Receive: 1460byte;
A serial port cache	Send: 1Kbyte; Receive: 1Kbyte;
Flow control	No
Heartbeat packet function	Support
Register package feature	Support
Complete set of software	DTU configuration tool
<b>Warranty</b>	
Warranty period	5 Years

## Ordering information

MGT571	Industrial embedded 4G DTU
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