

## CGT541R-E

### Cat-1 4G Industrial Wireless Serial to Cellular Modem



- 1xRS485 port for transferring data over the mobile network (LTE Cat-1 solution)
- 9-36V wide power supply range
- LTE Cat 1 & GSM
- Transparent transmission and AT command mode
- HTTPS, MQTTS, SMS
- SMS, NET, Serial AT command configuration
- FTP Upgrade and FOTA self-upgrade
- Socket Distribution Protocol

### Product Description

CGT541R-E is a LTE CAT 1 communication modem, which supports LTE and GSM, covers the mainstream frequency bands of European operators. It has perfect software function, supports TCP/UDP transparent transmission, SMS transmission, HTTPD Client mode and AT command configuration. In addition, it is simple to configure, has high reliability and built-in hardware watchdog, supports FOTA upgrading. CGT541R-E supplies a wide voltage range power through terminal interface, RS485 standard interface, meets the needs of different application scenarios.

## Product Features

- Equipped with CAT-1 network, 10Mbps download rate, 5Mbps upload rate, meeting 80% of the data transmission application scenarios
- Low latency in milliseconds
- Multiple modes, supports LTE CAT 1 and GPRS
- Wide coverage, high stability based on existing 4G network
- Supports TCP/UDP, HTTPD and SMS transparent transmission
- Each socket supports buffering 20 packets of serial port data, each packet is up to 4K
- Supports parameter configuration via network, serial and SMS AT command
- Supports base station geolocation and NTP function
- Support 9~36V wide voltage supply
- Multiple indicator lights, convenient and accurate to check the device status
- Industrial grade, hardware watchdog, high reliability

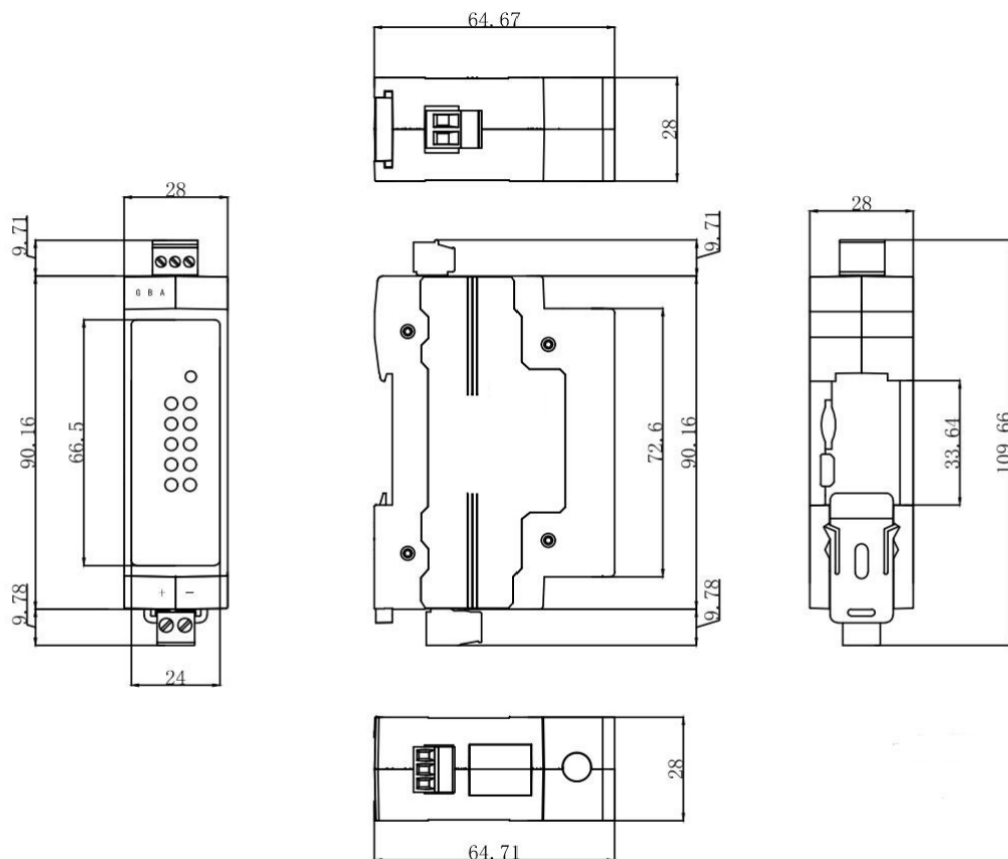
## Technical Specifications

Serial Port	
Num. of ports	1*RS485
Connection method	Industrial terminal block
Baud rate	2400bps-230400bps
4G Cellular	
Quantity of antenna	1
Antenna interface	SMA-K
SIM card	1.8V/3V(with slot)
Working frequency	LTE-FDD: B1/3/7/8/20/28 LTE-TDD: B38/40/41 WCDMA: B1/8 GSM/EDGE: B3/8
Power Supply	
Input voltage	DC9~36V
Power consumption	<3W
Connection method	Terminal
Power protection	Anti-reverse protection
Working Environment	
Operating temperature	-35°C ~ +75°C
Relative humidity	5%~95% (non-condensing)
Physical	

Installation	DIN Rail
Dimension (L)*(W)*(H) mm	44.5*31.8*13.94
<b>Software</b>	
Network protocol	TCP/UDP/IPV4/IPV6/DNS/HTTP/MQTT/SSL/TLS
User configuration	AT command
Simple transparent transmission	TCP/UDP client
Working mode	CMD/NET/HTTPD/SMS/MQTT
HTTPS	Support
SSL/TSL encryption	Support
MQTT	Support
Message	Support
Registration/Heartbeat package	Support
Serial port packaging mechanism	Time and length can be set, the maximum packing length is 4096 bytes
Network buffer	/
Serial buffer	"When the packet length is 10 bytes, 200 packets, or 2 KB, can be cached;
Remote configuration	When the packet length is 1460 bytes, 5 packets, or 7.3 KB, can be cached"

## Dimensions

Unit: mm



## Ordering Information

Standard Model	RS232/485	4G Antenna	Input Voltage
CGT541-E	1	1	DC9~36V



## Contact Us

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