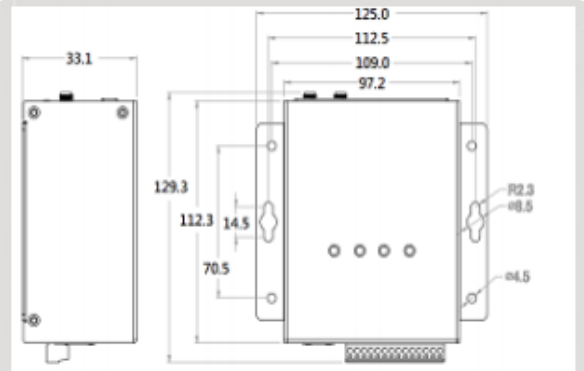




## Intelligent 4G Remote Terminal Unit



GTP-541M



Dimensions

GTP-541M is an intelligent Active 4G Remote Terminal Unit. It can be used in M2M application fields to transfer the local I/O or Modbus device's data via WCDMA/GPRS by the defined period or DI/AI trigger. With the simple I/O linkage function, GTP-541M can reach the real time control in local field.

### Features

- Support FDD LTE band B1/B3/B7/B8
- Support TDD LTE band B38/B39/B40/B41
- Support WCDMA 900/2100MHz
- Support GSM 900/1800MHz
- Com Port: COM1(RS-232 Debug Port), COM2(3-wire RS-485)
- I/O: 5 Channel DI , 4 Channel AI , 2 Channel DO
- Support Micro SD card.
- Provide 4G RTU function.
- Serial Port to 4G Gateway Function
- High reliability in harsh environments
- DIN-Rail mountable

### Application

I/O	Channel number	Specification
DI	5	Input type: Sink or Source, Isolated Channel with common power or ground On Voltage : +5V~+24V Off Voltage : +1Max
DO	2	Output type : Isolation Load Voltage : +24V Max Load Current : 100mA Max
AI	4	Resolution : 16-bit Input Range/Type : +10V ~ -10V Sample Rate : 1KHz Max





## Hardware Specifications

Item	GTP-541M
<b>4G Interface</b>	
Frequency Band	FDD LTE : B1/B3/B7/B8 TDD LTE : B38/B39/B40/B41
Power Class	Class 3(250mW@LTE)
<b>3G Interface</b>	
Frequency Band	WCDMA 900/2100 MHz
Power Class	Class 3(250mW@WCDMA)
<b>GSM Interface</b>	
Frequency Band	GSM 900/1800 MHz
Power Class	Class 4 (2 W @ 900 MHz) Class 1 (1 W @ 1800 MHz)
<b>System</b>	
CPU	ARM Cortex™ A5 processor
Expansion Flash Memory	SD Card (Max. 32GB SDHC)
RTC(Real Time Clock)	Provide seconds, minutes, hours, day of week/month, month and year
64-bit Hardware Serial Number	Yes
Watchdog Timer	Yes
LED Indicator	4 LEDs (PWR, 4G, STA, GPS)
<b>LED Indicator</b>	
PWR	LED1:Red
4G	LED2:Green
STA	LED3:Orange
GPS	LED4:Green
<b>Comm,Interface</b>	
COM1	RS-232:TxD,RxD,GND/RS-485:D+,D-
Baud Rate	9600、19200、38400、57600 and 115200 bps
<b>Power</b>	
Protection	Power reverse polarity protection
Frame Ground Protection	ESD,Surge,EFT,Hi-Pot
Required Supply Voltage	+10 VDC ~ +30 VDC
Power Consumption	4.8W(200mA@24VDC)
<b>Mechanical</b>	
Casing	Metal
Installation	DIN-Rail
Dimensions(W x L x H)	113 mm x 125 mm x 34 mm (W x L x H)
<b>Environment</b>	
Operating Temperature	-25 ℃ ~ +75 ℃
Storage Temperature	-40 ℃ ~ +80 ℃
Humidity	5 ~ 95% RH, non-condensing
<b>GPS System</b>	
Support Channel	32
Protocol Support	NMEA 0183