



GTP-541M

4G Multi-Function Controller with GPS
(Asia Only)

Features

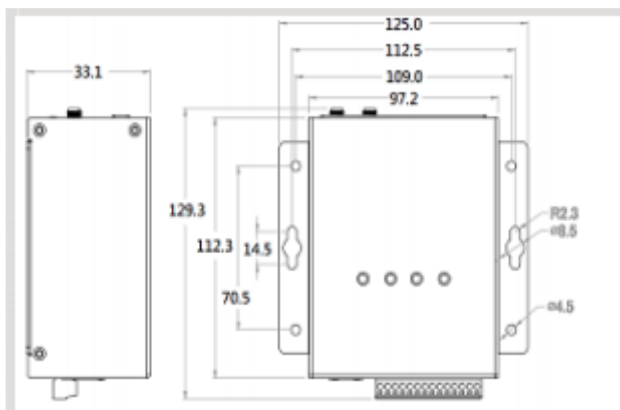
- Support LTE-FDD Band B1/B3/B8
- Support LTE-TDD Band B38/B39/B40/B41
- Support WCDMA/HSPA+ Dual-band 900/2100 MHz
- Support GSM/GPRS Dual-band 900/1800 MHz
- 1 x RS-485 and 1 x RS-232 for general COM port
- Power Reverse Polarity Protection
- I/O Trigger SMS/Voice Alarm Function
- Modbus Trigger SMS/Voice Alarm Function
- 4G RTU Function with GPS
- 4G/Serial gateway function



Introduction

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.

Dimensions



I/O Application

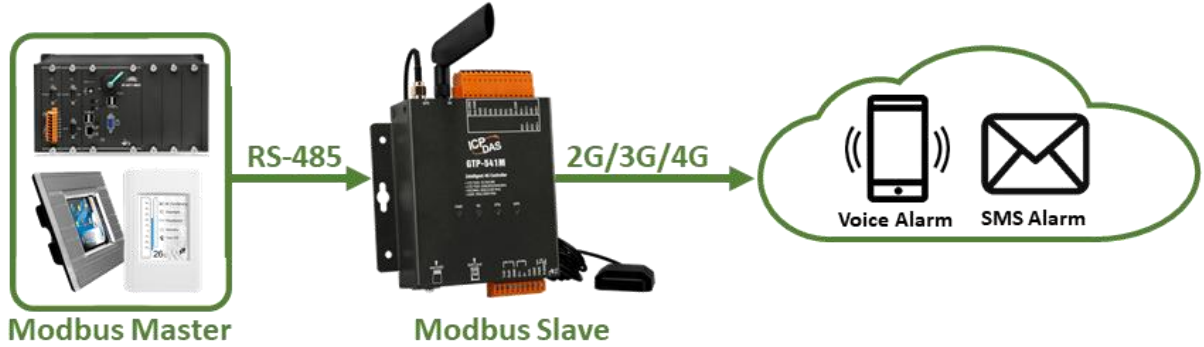
Analog Input	
Channels	4
Type	Voltage
Range	+10V ~ -10V
Resolution	16-bit
Digital Input	
Channels	5
Type	Wet Contact
Sink/Source (NPN/PNP)	Sink/Source, Isolated channel with common power or ground
ON Voltage	+5V ~ +24V
OFF Voltage	+1V Max
Digital Output	
Channels	2
Load Voltage	+24 VDC Max
Load Current	100mA Max

■ Specifications

4G Interfac	
Frequency Band	FDD LTE : B1/B3/B7/B8 TDD LTE : B38/B39/B40/B41
Power Class	Class 3(250mW@LTE) .
3G Interface	
Frequency Band	WCDMA 900/2100 MHz
Power Class	Class 3(250mW@WCDMA)
GSM Interface	
Frequency Band	GSM 900/1800 MHz
Power Class	Class 4 (2 W @ 900 MHz) Class 1 (1 W @ 1800 MHz)
System	
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)
LED Indicator	
PWR	LED1: Red
4G	LED2: Greed
STA	LED3: Orange
GPS	LED4: Greed
COMM, Interface	
COM1	RS-232:TxD,RxD,GND/RS-485:D+,D-
Baud Rate	9600、19200、38400、57600 and 115200 bps
Power	
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)
Mechanical	
Casing	Metal
Installation	DIN-Rail
Dimensions(W x L x H)	113 mm x 125 mm x 34 mm (W x L x H)
Environment	
Operation Temp.	-25°C to 70°C
Storage Temp.	-40°C to 80°C
Humidity	5~95% non-condensing
GPS System	
Support Channel 32	32
Protocol Support NMEA 0183	NMEA 0183

Application

Modbus SMS Function (SMSMB Firmware)



IO SMS Function (SMSDIO Firmware)



Ordering Information

GTP-541M	4G Multi-Function Controller with GPS (RoHS) (Asia Only)
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