

GTP-541M-UDR

Intelligent 4G Remote Control Device with Inertial Navigation

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,4Chennal AI,2Channel DO
- Support Micro SD card
- Provide 4G RTU function
- Serial Port to 4G Gateway Function
- High reliability in harsh environments
- DIN-Rail mountable

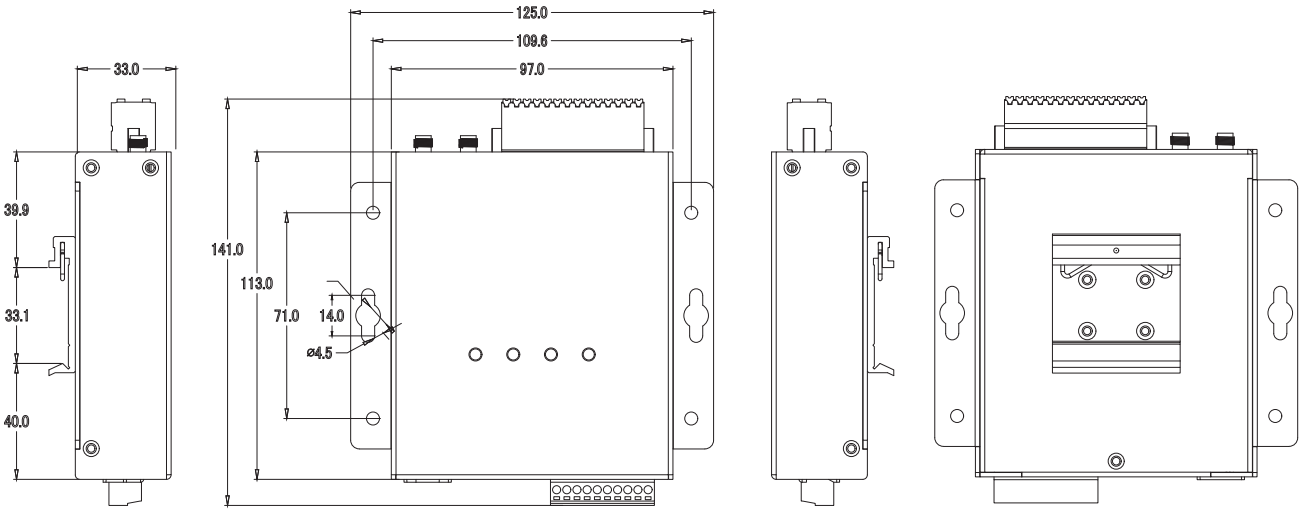
Introduction

GTP-541M-UDR is an intelligent active 4G remote terminal equipment with inertial navigation.It can be used in M2M application field to transmit local I / O, Modbus device and GPS data through 4G / 3G / 2G according to the set fixed period.GTP-541M-UDR has excellent GPS positioning ability, and it can also record the moving path through inertial navigation in the position where GPS cannot receive the signal.

Applications



Dimensions (Units: mm)



Left Side View | Front View | Right SideView | Rear View

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System Specifications

Model	GTP-541M-UDR
4G System	
Data Transmission Rate	FDD LTE:B1/B3/B7/B8 TDD LTE:B38/B39/B40/B41
Frequency Band	Class 3(250mW@LTE)
3G System	
Data Transmission Rate	DC-HSPA+ Downlink transfer: Max. 42 Mbps; Uplink transfer: Max. 5.76 Mbps TD-SCDMA Download: Max. 4.2 Mbps; Upload: Max 2.2Mbps CDMA2000 EVDO Download: Max. 14.7 Mbps; Upload: Max 5.4Mbps
Frequency Band	WCAMA 900/2100MHz
Power Class	Class 3(250mW@WCDMA)
2G System	
Data Transmission Rate	GPRS Downlink transfer: Max. 85.6 kbps; Uplink transfer: Max. 85.6kbps
Frequency Band	900/1800 MHz
Coding Schemes	CS 1, CS 2,CS 3,CS 4
CSD	GSM Downlink transfer: Max. 14.4 kbps; Uplink transfer: Max. 14.4 kbps
GPRS Multi-slot	GPRS class 12; GPRS station class B
Power Class	Class 4 (2 W @ 900 MHz) Class 1 (1 W @ 1800 MHz)
SMS Format	Sending: UCS2/7bits Receiving: UCS2/7bits
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 Level	+5V ~ +24V
OFF Voltage Level	+1V Max

Model	GTP-541M-UDR
Digital Output	
Channels	2
Load Voltage	+24 VDC Max
Load Current	100mA Max
COM Ports	
Ports	1 x RS-232/485, Non-isolated
Baud Rate	9600, 19200, 38400, 57600 and 115200 bps
CPU Module	
CPU	ARM Cortex™ A5 processor
Storage Expansion	SD Card (Max. 32GB SDHC)
Real Time Clock	Provide seconds, minutes, hours, day of week/ month, month and year
Watchdog Timer	Yes
GPS System	
Protocol	NMEA 0183
Support Channels	72
LED Indicators	
Status	1 x PWR, 1 x 4G, 1 x STA, 1 x GPS
Power	
Consumption	4.8W (200 mA @ 24 VDC)
Mechanical	
Casing	Metal
Dimensions (mm)	113 x 125 x 34 (W x L x H)
Installation	DIN-Rail/ Screw
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-40 ~ +80 °C
Humidity	5 ~ 95% RH, Non-condensing

Ordering Information

GTP-541M-UDR CR	Intelligent 4G Remote Control Device with Inertial Navigation

Accessories

ANT-421-05	5 dBi 4G External Antenna (Support 3G/4G)

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