

GRP-541M-4GE

Dual SIM/Ethernet/Serial/CAN to 4G Gateway.
(Asia Only, Except China)

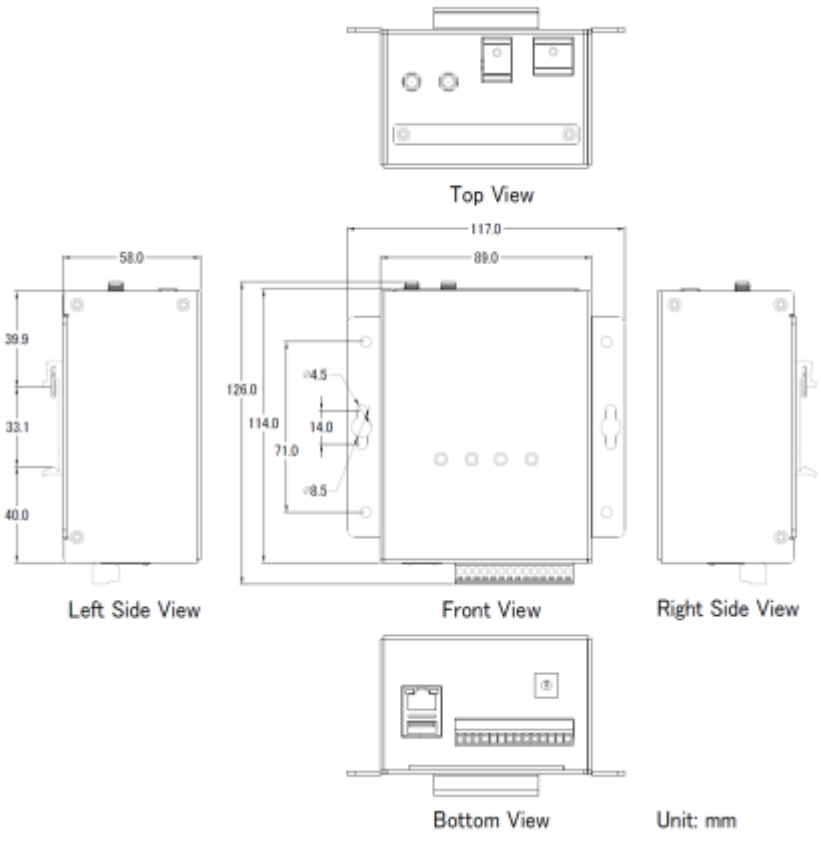
Features

- Support 4G FDD LTE
- Support 3G WCDMA.
- 10/100 Base-TX compatible Ethernet controller.
- Support CAN.
- GPS : 32 channels with All-In-View tracking.
- Support Micro SD card.
- Provide 4G Router function.
- Provide port mapping function.
- Serial Port to 4G Gateway Function.
- Support Dual SIM

Introduction

The GRP-541M-4GE provided by ICP DAS is a 4G dual sim card gateway for Ethernet, serial port, and CAN. With GPS function, the GRP-541M-4GE can also be a GPS tracking system. It can be used in M2M application fields to transfer the remote I/O, Modbus data or video of the camera via 4G/3G/2G. Within the high-performance CPU, the GRP-541M-4GE can handle a large of data and are suit for the Harsh Industrial environment. The GRP-541M-4GE have 4G module, Ethernet interface and GPS module.

Dimensions



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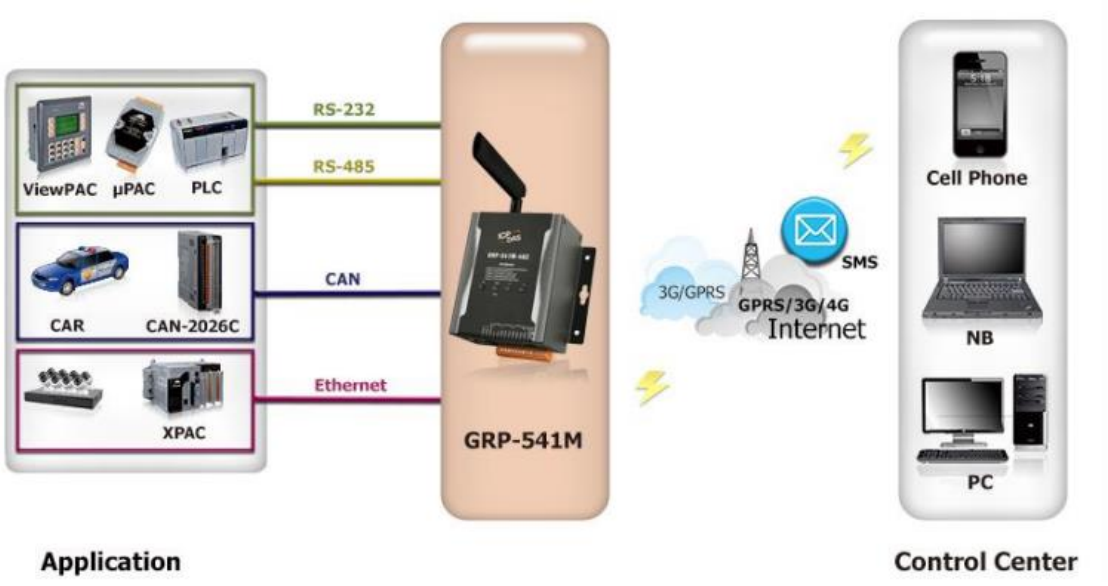
Specifications

Item	GRP-541M-4GE	GRP-541M-4GC
Software		
Gateway Function	Ethernet, Wi-Fiand Serial port (RS-232 x1, RS-485 x1) to 3G/4G	
Embedded service	Web Server, Router function	
System		
CPU	ARM CPU	
EEPROM	16 KB (Data Retention: 40 years; 1,000,000 erase/write cycles)	
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	Yes	
Watchdog Timer	Yes	
LED Indicator	4 LEDs (RUN/PWR, 4G, L1, L2)	
Rotary Switch	Yes (0~9)	
Dual SIM	Yes	
GSM System		
Frequency Band	GSM: 850/900/1800/1900 MHz	
GPRS connectivity	GPRS class 12/10; GPRS station class B	
DATA GPRS	Downlink transfer: Max. 85.6 kbps; Uplink transfer: Max 42.8kbps	
3G System		
Frequency Band (MHz)	WCDMA 850/900/2100	WCDMA900/2100 TD-SCDMA 1900/2100 CDMA2000(BC0) 800
Data Transmission	DC-HSPA+Download: Max. 42 Mbps; Upload: Max 5.76Mbps TD-SCDMA Download: Max. 4.2 Mbps; Upload: Max 2.2Mbps CDMA2000 EVDO Download: Max. 14.7Mbps; Upload: Max 5.4Mbps	
4G System		
Frequency Band	FDD LTE: B1/B3/B5/B7/B8/B20	FDD LTE: B1/B3/B8 TDD LTE: B38/B39/B40/B41
Data Transmission	Download Max 100Mbps/Upload Max 50Mbps	
GPS System		
Support Channels	32	
Protocol Support	NMEA 0183	
Comm. Interface		
Ethernet	RJ-45, 10/100 Base-TX (Auto-negotiating, Auto MDI/MDI-X, LED indicators)	
COM1	RS-232 (RxD, TxD and GND); Non-isolated (Console, Debug)	
COM2	RS-232 (RxD, TxD and GND); Non-isolated	
COM3	RS-485 (D2+, D2-); 3000 VDC isolated	
CAN	CAN Bus (CAN_H, CAN_L)	
Mechanism		
Casing	Metal	
Dimensions (W x L x H)	117mm x 126mm x 58mm (W x L x H)	
Installation	DIN-Rail / Screw	
Power		
Protection	Power reverse polarity protection	
Frame Ground Protection	ESD, Surge, EFT, Hi-Pot	
Required Supply Voltage	+10 VDC~ +48VDC	
Power Consumption	4.8W (200mA @ 24 VDC)	
Environment		
Operation Temp.	-25℃ to 75℃	
Storage Temp.	-30℃ to 80℃	
Humidity	5~95% non-condensing	

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Application

- **4G Router**



- **Remote Video Monitor**



- **Serial Port to 4G Gateway Application**



Ordering Information

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