

GRP-530M

Ethernet/Serial/CAN to 2G/3G Gateway

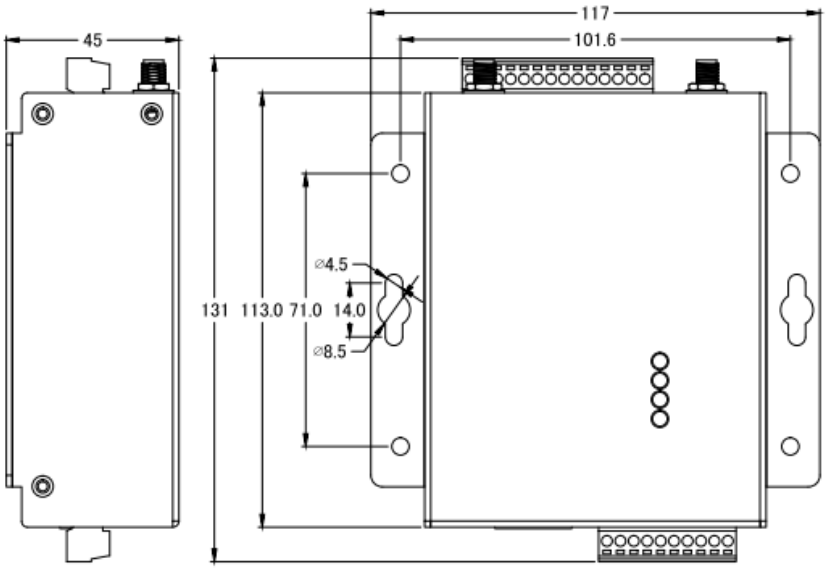
Features

- Support WCDMA 850/900/1900/2100 MHz and GSM 850 / 900 / 1800 / 1900 MHz.
- 10/100/1000 Base-TX compatible ethernet eontroller.
- COM port: COM1 (3-wire RS232), COM2 (3-wire RS232), COM3 (RS-485) Support CAN.
- GPS : 32 channels with All-In-View tracking.
- Support Micro SD card.
- Provide 3G Router function.
- Support port mapping function.
- Serial Port to 3G Gateway.
- High reliability in harsh environments.
- DIN-Rail mountable.

Introduction

The GRP-530 design by ICP DAS is a 3G gateway for Ethernet or serial port. With the GPS, the GRP-530 can use as a GPS tracking system. In M2M application fields, use it to transfer the data from remote I/O, Modbus data or video of the camera via 3G/2G. With its high-performance CPU, the GRP-530 Series can handle a large amount of data and are suitable for harsh industrial environments. The GRP-530 Series equipped with the 3G module, Ethernet interface, CAN Bus, and GPS module

Dimensions



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Specifications

CPU Module	
CPU	ARM CPU
EEPROM	16 KB (Data Retention: 40 years; 1,000,000 erase/write cycles)
Flash	256 MB
SRAM	256 MB
Storage Expansion	SD Card (Max. 32GB SDHC)
Real Time Clock	Provide seconds, minutes, hours, day of week/month, month and year
Watchdog Timer	Yes
LED Indicators	
Status	1 x RUN/PWR
	1 x 3G
	1 x L1
	1 x L2
2G System	
Data Transmission Rate	GPRS Downlink transfer: Max. 85.6 kbps; Uplink transfer: Max. 42.8kbps
Frequency Band	850/900/1800/1900 MHz
Coding Schemes	CS 1, CS 2,CS 3,CS 4
GPRS Multi-slot	GPRS class 12; GPRS station class B
Power Class	Class 4 (2 W @ 850/900 MHz) Class 1 (1 W @ 1800/1900 MHz)
3G System	
Data Transmission Rate	WCDMA / HSPA+ Downlink transfer: Max. 14.4 Mbps; Uplink transfer: Max. 5.76 Mbps
Frequency Band	WCDMA 850/900/1900/2100 MHz
Power Class	Class 3 (250mW @ WCDMA/HSPA)
GPS/GNSS	
Protocol	NMEA 0183
Support Channels	32
Ethernet	
Ports	1 x RJ-45, 10/100Base-T(X)
COM Ports	
Ports	1 x RS-232 (Console, Debug)
	1 x RS-232
	1 x RS-485 (3000VDC Isolated)
CAN	
Signal Line	CAN Bus (CAN_H, CAN_L)
Power	
Consumption	4.8W (200 mA @ 24 VDC)
Mechanical	
Casing	Metal
Dimensions (mm)	117 x 126 x 58 (W x L x H)
Installation	DIN-Rail / Screw
Environment	
Operating Temperature	-25 ~ +75 °C
Storage Temperature	-30 ~ +80 °C
Humidity	10 ~ 95% RH, Non-condensing

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Application

3G Router



Remote Video Monitor



Serial Port to 3G Gateway Application



Ordering Information

GRP-530M	Ethernet/Serial/CAN to 2G/3G Gateway (RoHS)

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