



GRP-530M

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

Features

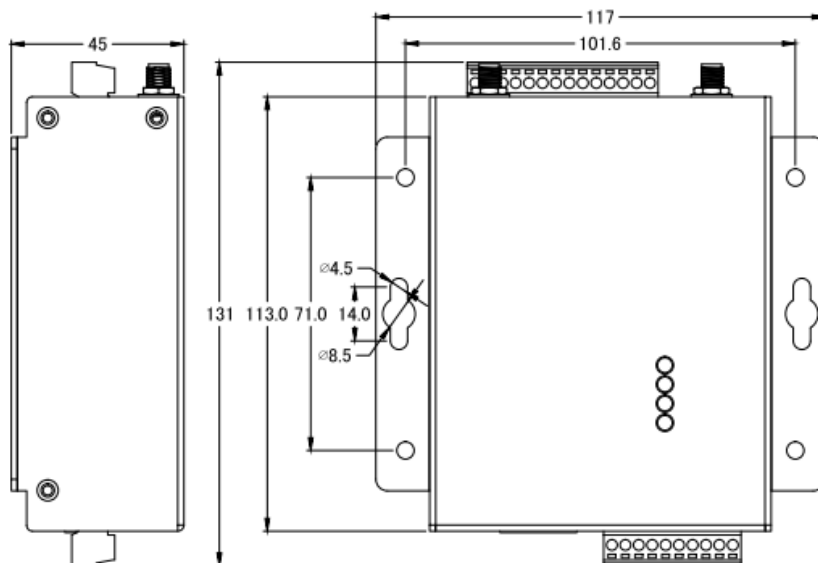
- Support WCDMA 850/900/1900/2100 MHz and GSM 850 / 900 / 1800 / 1900 MHz.
- 10/100/1000 Base-TX compatible ethernet controller.
- COM port: COM1 (3-wire RS232), COM2 (3-wire RS232), COM3 (RS-485) Support CAN.
- GPS : 32 channels with All-In-View tracking.
- Support Micro SD card.
- Provide 3G Router 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



■ 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 |

Application

3G Router



Remote Video Monitor



Serial Port to 3G Gateway Application



Ordering Information

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