

GRP-2841M

4G/5G/Ethernet Gateway

Features

- Cortex-A53 CPU, 1.6 GHz, quad-core
- 1 GB LPDDR4 RAM and 8 GB eMMC Flash
- Linux Kernel 4.14.98
- Provide NAT and port forwarding function
- Intelligent Remote Terminal Unit (RTU)
- Intelligent multiport serial gateway
- 4G / 5G wireless module (option)
- 64-bit Hardware Serial Number for Software Protection
- 10/100/1000M Two Ethernet Ports
- 4 Serial Ports (RS-232/485)

Introduction

The GRP-2841M provided by ICP DAS is a gateway for Ethernet and serial port. The GRP-2841M can be used for wireless data transmission and other functions through its optional 4G / 5G communication module. With the optional GPS function, the GRP-2841M can also be used as a GPS tracking system for vehicle management or maritime system. It can be used in M2M application to transmit remote I/O, Modbus data or camera video. Within the high-performance CPU, the GRP-2841M can process large amounts of data and is suitable for harsh industrial environments.

Applications

- 4G / 5G / Ethernet Gateway Application



- Remote Video Monitor



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- Serial Port Gateway Application

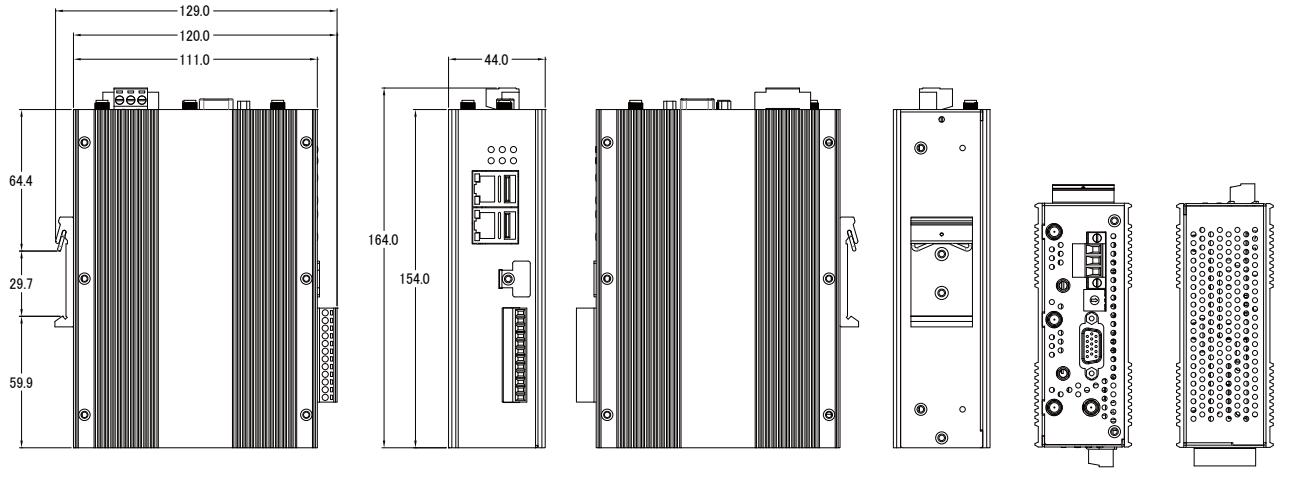


System Specifications

Model	GRP-2841M
Software	
OS	Linux Kernel 4.14.98
Service	SSH, Web, SNMP Server, SMTP, DDNS
Function	NAT and port forwarding function Remote Terminal Unit (RTU) Multiport serial gateway 4G/5G wireless router (option)
Main Unit	
CPU	Cortex-A53 CPU, 1.6 GHz, quad-core
System Memory	1 GB LPDDR4 SDRAM
Storage	8 GB eMMC Flash, 32 GB microSD card
Non-Volatile Memory	64 KB FRAM; 128 KB MRAM
Real Time Clock	Provide seconds, minutes, hours, dates,day of week, month, year
Watchdog Timer	Yes
LED Indicators	
Status	1 x PWR 1 x NET 1 x RUN 1 x L1 1 x L2 1 x L3

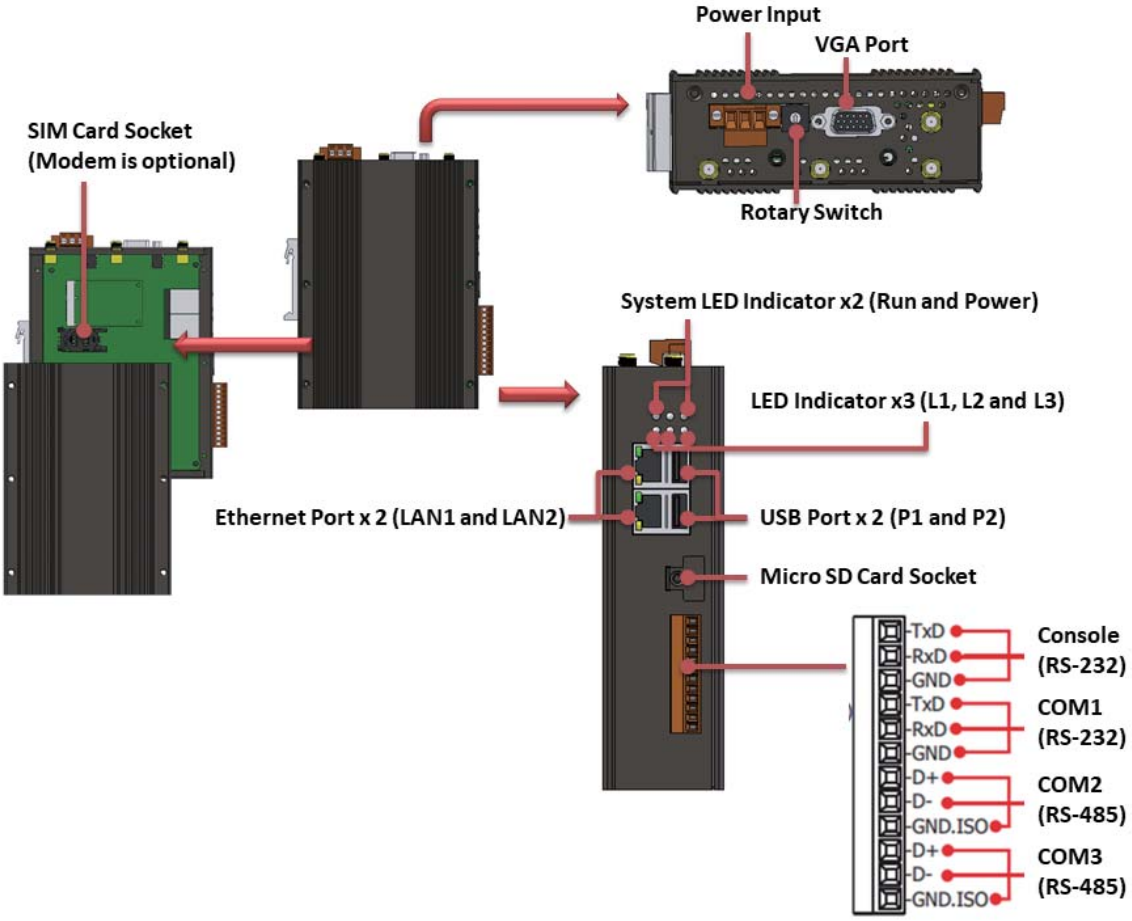
Model	GRP-2841M
COM Ports	
Ports	1 x RS-232(Console,Debug) 1 x RS-232 2 x RS-485(2500VDC,Isolated)
Ethernet	
Ports	2 x RJ-45, 10/100/1000 Base-T(X)
USB	
Ports	2 x USB 2.0
Power	
Input Range	+12 VDC ~ +48 VDC
Consumption	9.6 W (0.4 A @ 24 VDC)
Mechanical	
Casing	Metal
Dimensions (mm)	35 x 167 x 119 (W x L x H)
Installation	DIN-Rail
Environment	
OperatingTemperature	-25 ~ +70°C
Storage Temperature	-30 ~ +80°C
Humidity	10 ~ 90% RH, Non-condensing

Dimensions (Units: mm)



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Appearance



Ordering Information

GRP-2841M CR	4G/5G/Ethernet Gateway (RoHS)

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