Features

- Support WCDMA 850/900/1900/2100 MHz frequency
- Support GPRS 850/900/1800/1900 MHz frequency
- Virtual COM Extend Real COM Ports via GPRS/WCDMA
- Remote Configuration by Virtual COM
- 1 x RS-232 port and 1 x RS-485 port for Virtual COM. 1 x Utility port for Configuration
- Built-in Watch-dog Function
- Power Reverse Polarity Protection
- Power supply +10 V_{DC} ~ +30 V_{DC}
- DIN-Rail mountable

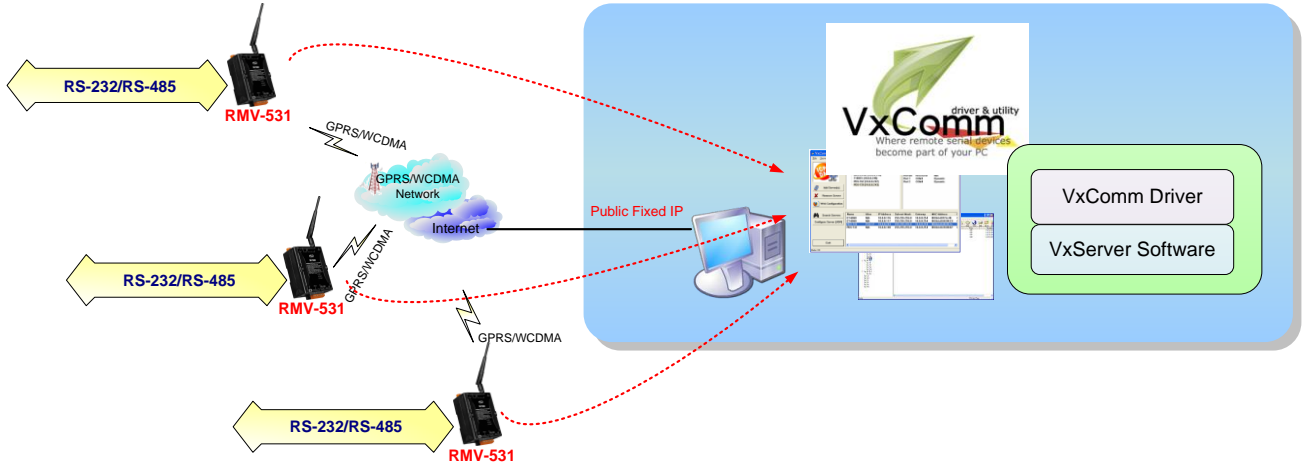## RMV-531

Intelligent Multiport Serial to 2G/3G Gateway

Introduction

RMV-531 is an intelligent multiport serial to 2G/3G gateway for industry M2M applications. It is designed for linking RS-232/485 devices to a GPRS/WCDMA network. The user-friendly Axiom Driver/Utility and VxServer allow users to easily turn the built-in COM ports of the RMV-531 into standard COM ports on a PC. By virtue of its protocol independence, a small-core OS and high flexibility, the RMV-531 is able to meet the demands of every network-enabled application. In addition, the RMV-531 also supports GPRS/WCDMA network automatic re-connection function when the RMV-531 is broke the GPRS/WCDMA network by something happened. M2M solution will improve the service quality and reduce operating costs. Many application areas can be improved by using RMV-531.
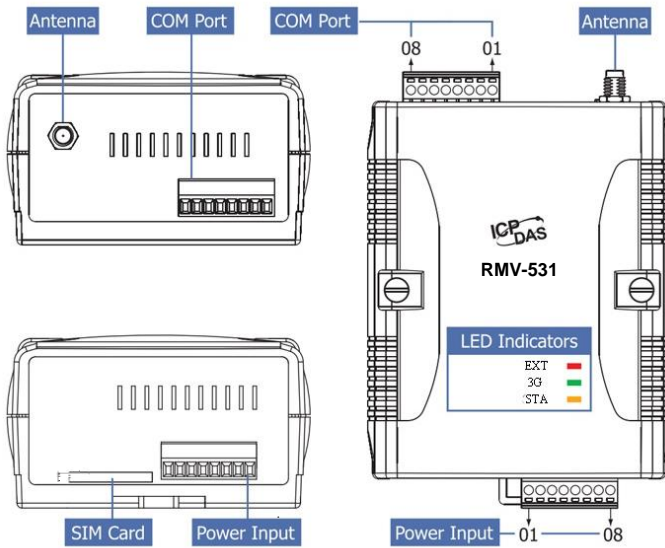
Specifications

System	
CPU	ARM Microprocessor
SRAM	32 Kbytes
Flash Memory	512 Kbytes
WDT(watchdog)	Yes
2G system	
Frequency Band	850/900/1800/1900 MHz
Power class	Class 4 (2 W @ 850/900 MHz)
	Class 1 (1 W @ 1800/1900 MHz)
3G system	
Frequency Band	850/900/1900/2100 MHz
Power class	Class 3(250mW @ WCDMA/HSPA)
Serial ports	
Utility port	RS-232: TxD, RxD, GND (use for device configuration and debug)
COM1	RS-232: TxD, RxD, GND (use for communication with other devices)
COM2	RS-485: D+, D- (use for communication with other devices)
Baud Rate	2400、4800、9600、19200、38400、57600 and 115200 bps
Power	
Protection	Reverse polarity protection
Frame Ground Protection	ESD, Surge, EFT, Hi-Pot
Required Supply Voltage	+10 VDC ~ +30 VDC
Mechanical	
Casing	Plastic
Flammability	UL 94V-0 materials
Dimensions (W x L x H)	91 mm x 132 mm x 52 mm
Installation	DIN-Rail
Environmental	
Operating Temperature	-25 ℃ ~ +75 ℃
Storage Temperature	-30 ℃ ~ +80 ℃
Ambient Relative Humidity	5 ~ 95% RH, non-condensing

2G/3G Products

Intelligent 2G/3G Module

Applications

Appearance

Dimensions (Units: mm)

| Front View | Rear View | Bottom View | Left Side View | Right Side View |
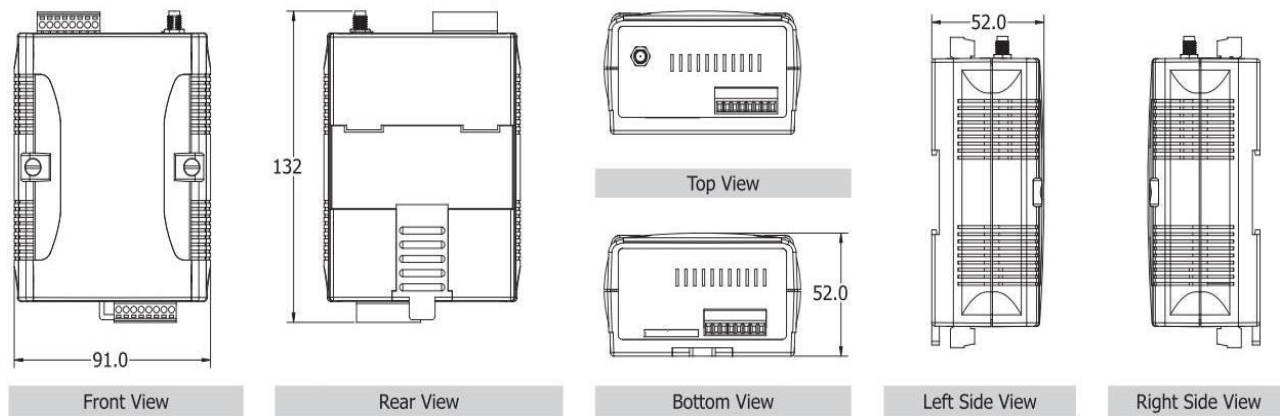
Ordering Information

| RMV-531 | Intelligent Multiport Serial to 2G/3G Gateway |

Accessories

| ANT-421-01 | 3 m External GPRS/GSM/3G Antenna |

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