Features

- Support WCDMA 850/900/1900/2100 MHz frequency
- Support GPRS 850/900/1800/1900 MHz frequency
- Intelligent 2G/3G gateway
- Intelligent 3G Remote Terminal Unit function
- Intelligent 3G SMS/Voice alarm controller
- Built-in Watch-dog Function
- Power Reverse Polarity Protection
- Power supply +10 V$_{DC}$ ~ +30 V$_{DC}$
- Support I/O expansion board

GTP-500M

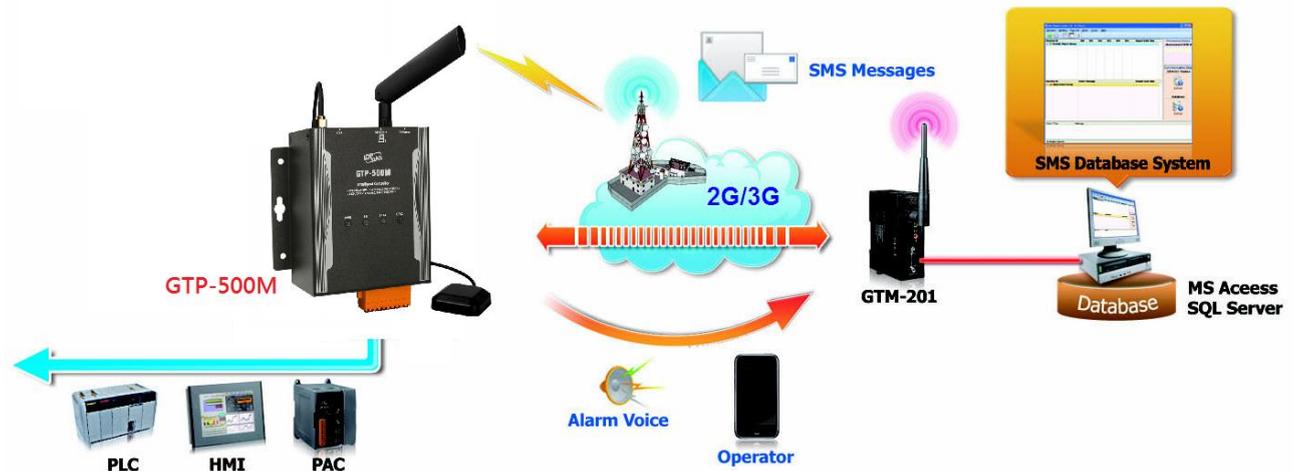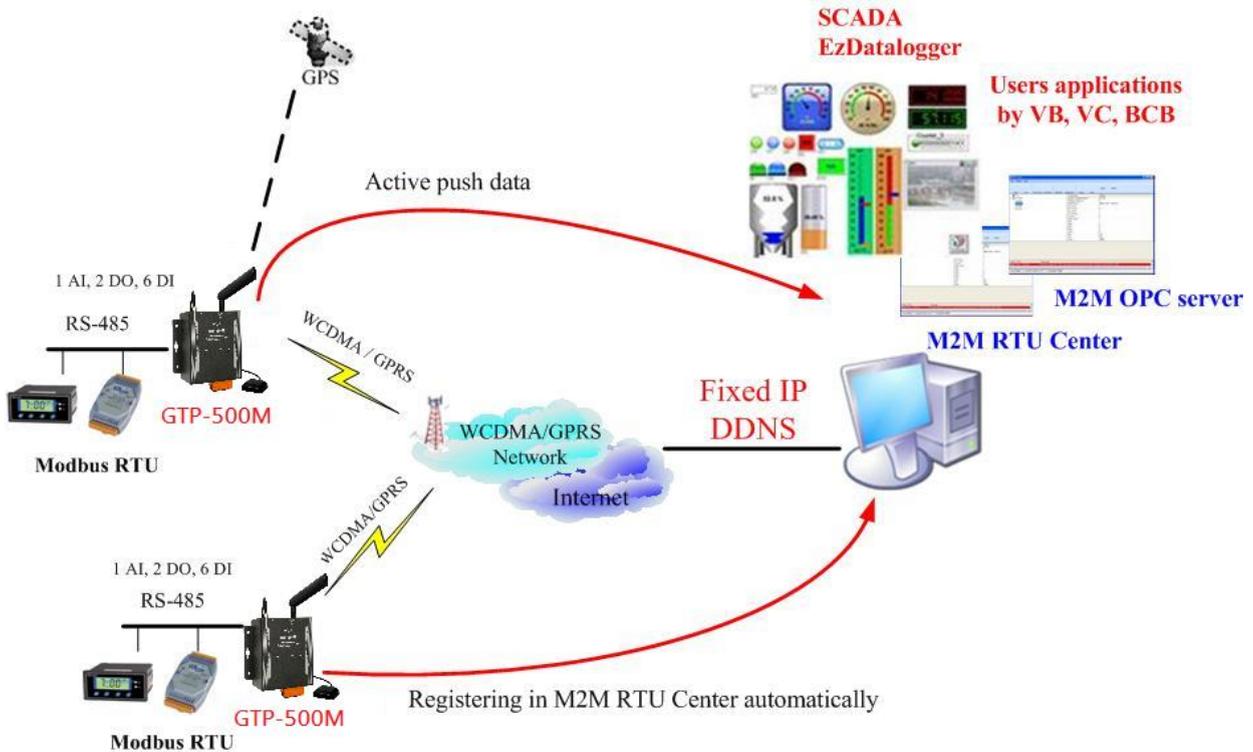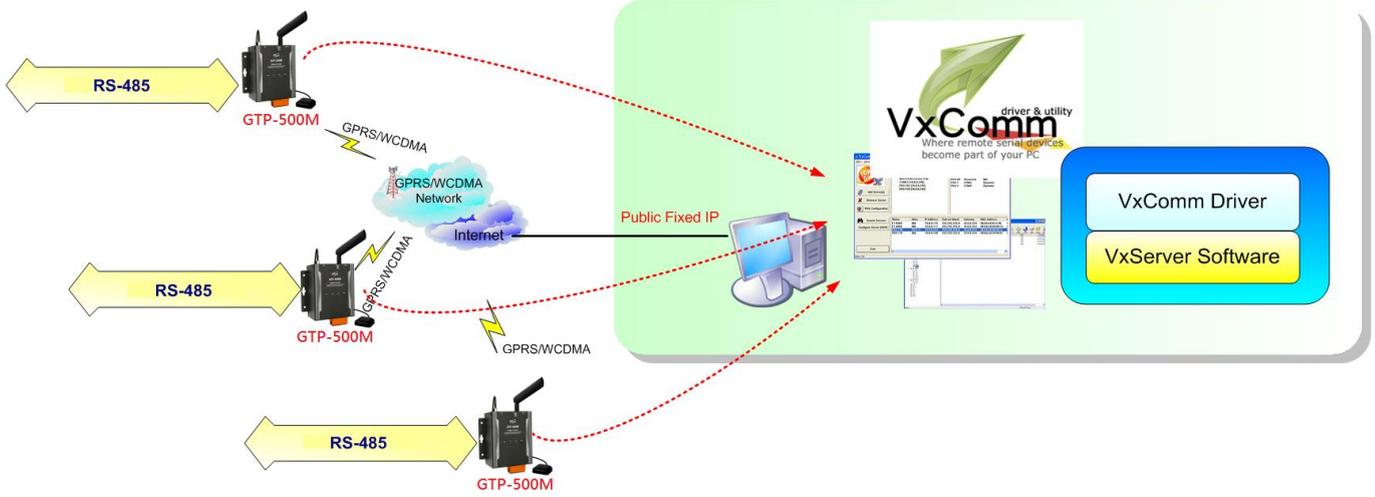2G/3G Intelligent Multi-Function Controller

Introduction

The GTP-500M is an intelligent multi-function module, with high cost-effective cost, for industry applications. You can choose different firmware and expansion I/O board for your requirements. Multiport serial to 2G/3G gateway. 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 GTP-500M into standard COM ports on a PC. 2G/3G Remote Terminal Unit. It can be used in M2M application fields to transfer the local I/O and Modbus device's data via WCDMA/GPRS by the defined period or DI/AI triggers. 2G/3G SMS and Voice function. It provides the sound alarm application with the pre-defined voice files. In addition, the DTMF function of the GTP-500M is for the applications with the keypad of phones to control the local I/O.
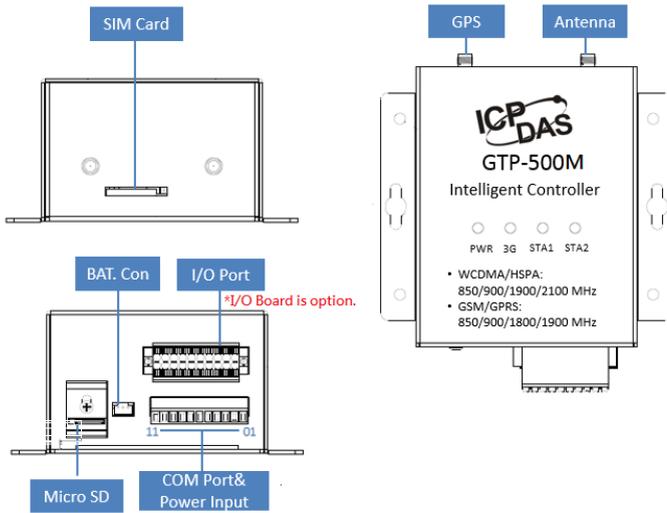
Specifications

System	
CPU	ARM Microprocessor
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(COM1)	RS-232: TxD, RxD, GND
COM2	RS-485: D+, D- (use for communication with other devices)
Baud Rate	9600 bps 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	Metal
Dimensions (W x L x H)	117 mm x 137 mm x 58 mm
Installation	DIN-Rail
Environmental	
Operating Temperature	-25 ℃ ~ +75 ℃
Storage Temperature	-30 ℃ ~ +80 ℃
Ambient Relative Humidity	5 ~ 95% RH, non-condensing
Input / Output	
Channel	Options

2G/3G Products

Applications

☑ Appearance

SIM Card

GPS   Antenna

ICP DAS
GTP-500M
Intelligent Controller

PWR   3G   STA1   STA2

- WCDMA/HSPA:
  850/900/1900/2100 MHz
- GSM/GPRS:
  850/900/1800/1900 MHz

BAT. Con   I/O Port
*I/O Board is option.

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Micro SD

COM Port&
Power Input

☑ Dimensions (Units: mm)

58.0

117.0
101.6
89.0

⌀4.5

⌀8.5

113.0 71.0 14.0
137.0

⌀4.5

Left Side View   Front View   Right Side View   Rear View

Bottom View

Top View
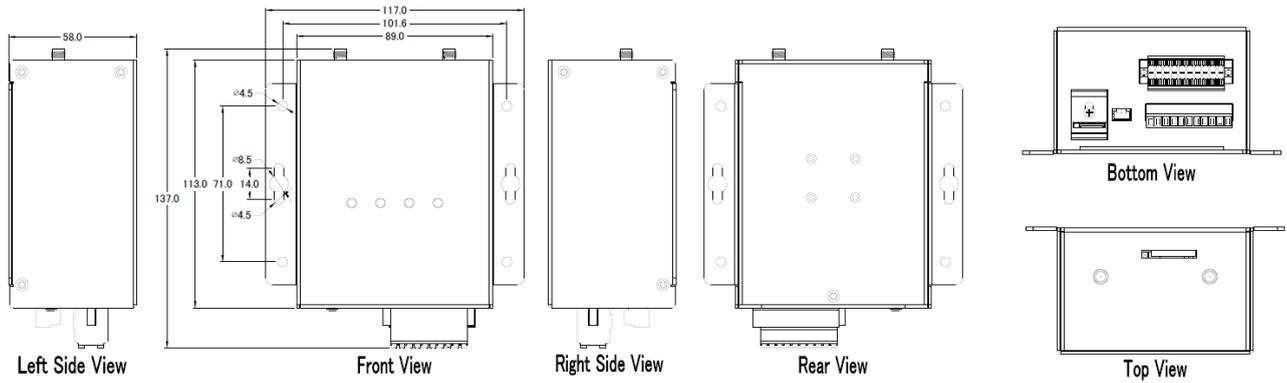
☑ Ordering Information

GTP-500M	Intelligent 2G/3G multi-function controller

☑ Accessories

GTP-IO01	I/O expansion board with 6DI、2DO、1AI
ANT-421-04	External GPRS/GSM/3G Antenna