

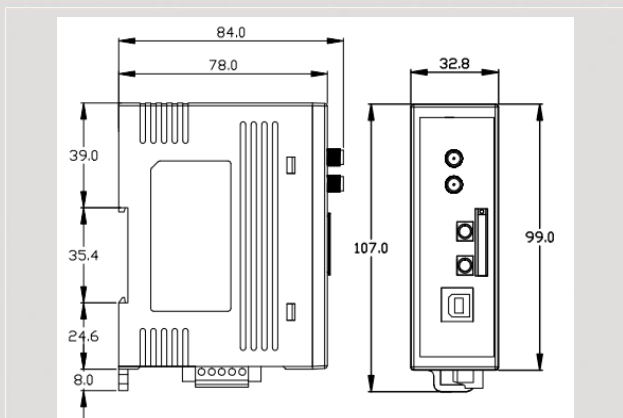


## 3G / GSM Modem



GTM-201-3G

GTM-201P-3GWA



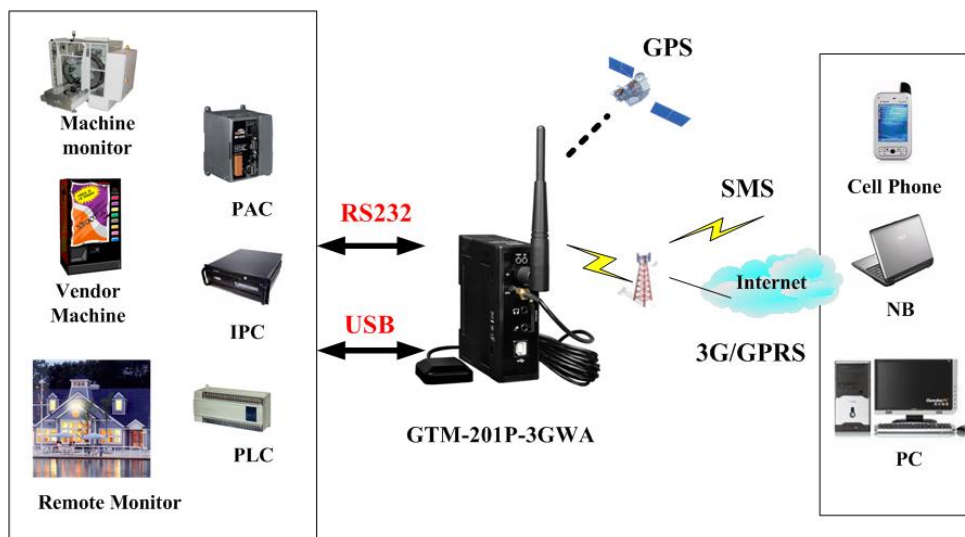
Dimensions

The GTM-201-3GWA is a industrial Tri-band 3G and Quad-band GSM modem with RS-232 and USB interfaces that work at frequencies of UMTS 2100 / 1900 / 850 MHz and GSM 850 MHz, EGSM 900 MHz, DCS 1800 MHz , PCS 1900 MHz. The modems utilize the 3G or GPRS network to transfer data. The features of the GTM-201-3GWA allow a variety of PLC and PC applications to take advantage of SMS and 3G or GPRS connectivity. The voice interface allows the modem to be also applied to alarm systems with sounds.

### Features

- Support Tri-band UMTS 2100/1900/850 MHz and Quad-band GSM 850 / 900 / 1800 / 1900 MHz.
- Designed for WCDMA, GPRS, Data, SMS and Voice Applications
- Supports TCP Server, TCP Client, UDP Client Connection from 3G or GPRS
- Supports Standard AT Commands
- Includes a Digital Input Channel to reset the System
- Provide 3.5 mm stereo jack for Audio Interface
- LED Indicators for 3G/GSM and Power Indication
- High reliability in harsh environments
- The RS-232 Port supports 9600 to 115200 bps
- The USB supports USB2.0 high speed
- DIN-Rail mountable
- Support GPS

### Application





## Hardware Specifications

Item	GTM-201-3GWA	GTM-201P-3GWA
<b>3G System</b>		
Frequency Band	UMTS : 2100/1900/850 MHz	
Data Transmission	UMTS / HSDPA / HSUPA Downlink transfer: Max. 7.2Mbps; Uplink transfer: Max 5.76Mbps	
<b>GSM / GPRS System</b>		
Frequency Band	GSM : 850/900/1800/1900 MHz	
GPRS connectivity	GPRS class 12/10; GPRS station class B	
DATA GPRS	Downlink transfer: Max. 85.6 kbps; Uplink transfer: Max 42.8kbps	
CSD	Up to 14.4 kbps	
Coding Schemes	CS 1, CS 2, CS 3, CS 4	
<b>SMS</b>		
SMS	MT, MO, CB, Text and PDU mode	
<b>GPS System</b>		
Support Channels	-	32
Protocol Support	-	NMEA 0183
<b>Comm. Interface</b>		
COM ports	TxD,RxD,GND	
COM Port Baud Rate	9600 bps ~ 115200 bps	
USB	USB 2.0 (high speed)	
USB Driver support	Windows 98 / 2000 / XP / Vista / 7 LinPAC (Linux kernel 2.6)	
<b>LED Indicators</b>		
Power	Red	
3G/GSM	Green	
<b>Power</b>		
Protection	Power reverse polarity protection	
Frame Ground Protection	ESD, Surge, EFT, Hi-Pot	
Required Supply Voltage	+10 V <sub>DC</sub> ~ +30 V <sub>DC</sub>	
Power Consumption	Idle: 25 mA @ 24 V <sub>DC</sub> ; Data Link: 100 ~ 400 mA (peak) @ 24 V <sub>DC</sub>	
Connection	8-Pin 3.5 mm Removable Terminal Block	
<b>Reset Input</b>		
Input Type	Isolated, 3750 V <sub>rms</sub>	
On Voltage Level	+3.5 V <sub>DC</sub> ~ +30V <sub>DC</sub>	
Off Voltage Level	+1 V <sub>DC</sub> max.	
Input Impedance	3 kΩ, 0.25W	
<b>Mechanical</b>		
Casing	Plastic	
Flammability	UL 94V-0 materials	
Dimensions (W x L x H)	33 mm x 87 mm x 107 mm	
Installation	DIN-Rail	
<b>Environment</b>		
Operation Temp.	Operation : -25°C to 75°C ; Storage Temp : -40°C to 80°C	
Humidity	5~95% non-condensing	