

M2M Series Products



Industrial Quad-band 3G WCDMA Modem



GTM-203M-3GWA



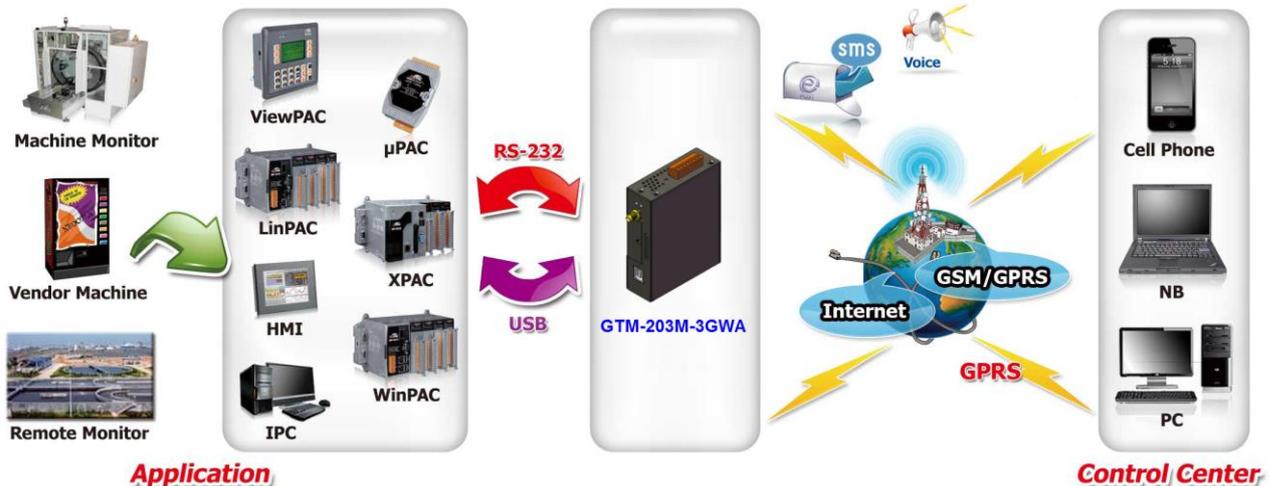
Dimensions

The GTM-203M-3GWA is an industrial Quad-band 3G and Quad-band GSM modem with RS-232 and USB interfaces that work at frequencies of WCDMA 850/900/1900/2100 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-203M-3GWA allow a variety of PLC and PC applications to take advantage of SMS and 3G or GPRS connectivity.

Features

- Support Quad-band WCDMA 850/900/1900/2100 MHz
- Support 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
- 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

Application





Hardware Specifications

Item	GTM-203M-3GWA
3G System	
Frequency Band	850/900/1900/2100 MHz
GSM / GPRS System	
Frequency Band	850/900/1800/1900 MHz
GPRS connectivity	GPRS class 12; GPRS station class B
CSD	GSM max. 9.6 kb/s UMTS max. 64 kb/s
Coding Schemes	CS 1, CS 2, CS 3, CS 4
SMS	
SMS	MT, MO, CB, Text and PDU mode
Comm. Interface	
COM ports	TxD, RxD, GND
COM Port Baud Rate	9600 bps ~ 115200 bps
USB	USB 2.0 (high speed)
USB Driver support	Windows XP/Vista/7/8/Linux
LED Indicators	
Power	Red
3G/GSM	Green
Power	
Protection	Power reverse polarity protection
Frame Ground Protection	ESD, Surge, EFT, Hi-Pot
Required Supply Voltage	+10 V _{DC} ~ +30 V _{DC}
Rated Current	30 ~ 15 mA / 10 ~ 30 V _{DC}
Reset Input	
Input Type	Isolated, 3750 V _{rms}
On Voltage Level	+3.5 V _{DC} ~ +30V _{DC}
Off Voltage Level	+1 V _{DC} max.
Input Impedance	3 kΩ, 0.25W
Mechanical	
Casing	Metal
Dimensions (W x L x H)	28 mm x 79.4 mm x 100 mm
Installation	DIN-Rail
Environment	
Operation Temp.	-25°C to 70°C
Storage Temp.	-40°C to 80°C
Humidity	5~95% non-condensing

Ordering Information

GTM-203M-3GWA CR	Industrial Quad-band 3G WCDMA Modem (RoHS)
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Option Accessories

GTM-203M-A CR	Audio Module (RoHS)
ANT-421-01	3 m External GPRS/GSM Antenna