



Industrial 4G LTE Modem



GTM-204M-4GE



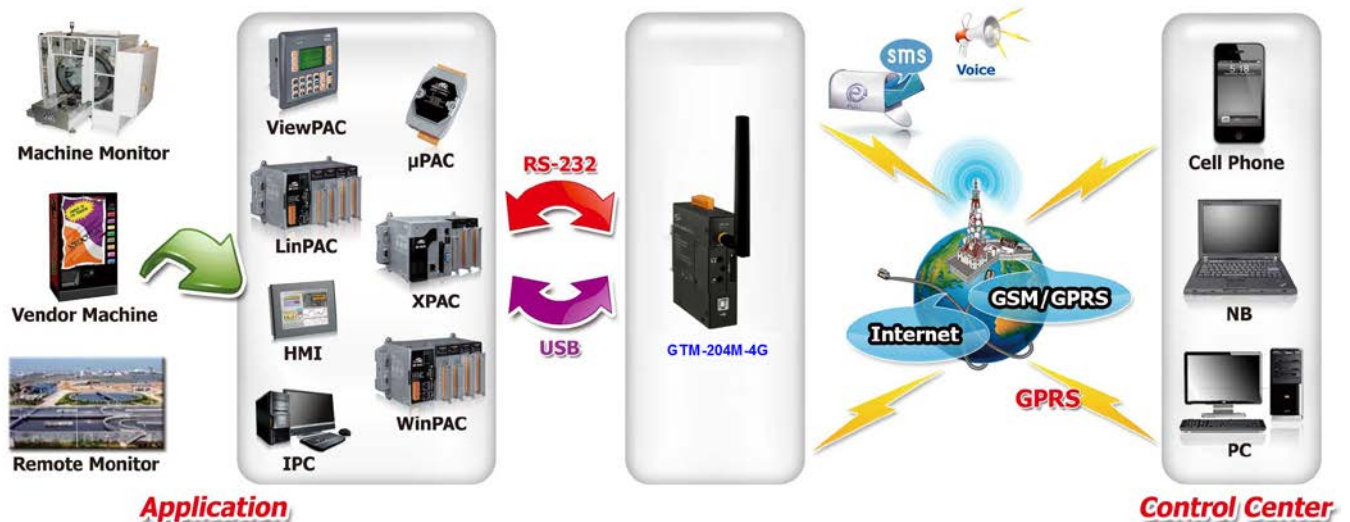
Dimensions

The GTM-204M-4GE is an industrial 4G LTE and Quad-band GSM modem with RS-232 and USB interfaces that work at frequencies of FDD LTE B1/B3/B5/B7/B8/B20 and WCDMA 850/900/2100 MHz and GSM 850 MHz, EGSM 900 MHz, DCS 1800 MHz, PCS 1900 MHz. The modems utilize the 4G or 3G or GPRS network to transfer data. The features of the GTM-204M-4GE allow a variety of PLC and PC applications to take advantage of SMS and 4G or 3G or GPRS connectivity.

Features

- Support FDD LTE B1/B3/B5/B7/B8/B20
- Support WCDMA 850/900/2100 MHz
- Support Quad-band GSM 850/900/1800/1900 MHz
- Designed for LTE/UMTS/GPRS Data, SMS and Voice Applications
- Supports TCP Server, TCP Client, UDP Client Connection from 4G or 3G or GPRS
- Supports Standard AT Commands
- Includes a Digital Input Channel to reset the System
- LED Indicators for 4G 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-204M-4GE	GTM-204M-4GA	GTM-204M-4GC
4G System			
Frequency Band(FDD)	B1/B3/B5/B7/B8/B20	B2/B4/B5/B12/B17	B1/B3/B8
Frequency Band(TDD)			B38/B39/B40/B41
3G System			
Frequency Band(WCDMA)	850/900/2100 MHz	850/1700/1900 MHz	900/2100 MHz
Frequency Band(TDSCDMA)			1900/2100 MHz
GSM / GPRS System			
Frequency Band	850/900/1800/1900 MHz	850/1900MHz	900/1800MHz
GPRS connectivity	GPRS class 12; GPRS station class B		
Data	GSM max. 85.6kb/s UMTS max. 384kb/s DC-HSPA+ max. 42mb/s LTE-FDD max. 100mb/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/CE/Linux		
LED Indicators			
Power	Red		
4G/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 k Ω , 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 $^{\circ}$ C to 70 $^{\circ}$ C		
Storage Temp.	-40 $^{\circ}$ C to 80 $^{\circ}$ C		
Humidity	5~95% non-condensing		



Hardware Specifications

Ordering Information

GTM-204M-4GE CR	Industrial 4G LTE Modem (RoHS) , for Europe and Taiwan
GTM-204M-4GA CR	Industrial 4G LTE Modem (RoHS), for America
GTM-204M-4GC CR	Industrial 4G LTE Modem (RoHS), for China