

ENFORA MT

GSM/GPRS/GPS



ACCELERATE TIME-TO-MARKET WITH ONBOARD LOCATION

The **Enfora MT** family is a fully certified quad-band integrated platform that provides complete GSM/GPRS functionality for mobile tracking applications. These small, economical devices also include integrated GPS capabilities. To address a variety of applications, onboard GPS data can be transmitted to centralized operations centers or Web pages, or localized computers or mobile data terminals.

To accelerate deployment, **Enfora's** Enhanced Wireless Intelligent Device Environment (eWiDE) is an embedded software environment that enables the development of essential capabilities—mobile connectivity, location awareness and device intelligence. The environment also simplifies the operation and remote management of your assets and, ultimately, ensures greater visibility into essential data that supports decision-making.

Today, more and more companies are turning to **Enfora** for wireless M2M solutions. By relying on our technology and expertise, they have more time for their core business. When you want to **accelerate** time-to-market with onboard location. **Enfora** is ready to help you enable



QUICK OVERVIEW

Enable virtually any telematics application with included software suite

Flexible customization through built-in TCP/IP and UDP capability

Wireless data and voice port available for user email and voice communication

Auto- registration on power-up

Internal battery backup on the MT-UL allows for continued operation when main input power is removed

eWiDE

Optimized data pipe

Network router

Rules engine

Application OS



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	MT-G QUAD-BAND	MT-GL QUAD-BAND	MT-UL QUAD-BAND																		
MODEL NUMBER	GSM 2208	GSM 2218	GSM2238																		
CHARACTERISTICS	101.6 x 127.0 x 40.6 mm Seamless aluminum extrusion	108.0 x 76.2 x 31.8 mm Seamless aluminum extrusion	63.5 x 63.5 x 24.4 mm Seamless aluminum extrusion																		
RADIO PERFORMANCE	850/900/1800/1900 Class 4 (2W@850/900 MHz) Class 1 (1W @1800/1900 MHz)																				
PACKET DATA	Class B, Multi-slot 8 GPRS Release 97 & 99, SMG 31 Mode Protocol Coding schemes Packet channel																				
GSM FUNCTIONALITY	AMR, EFR, RF & HR Voice CS data GSM SMS	Asynchronous; Transparent and Non-Transparent up to 9/6 kB Text, PDU, MO/MT, Cell Broadcast																			
GPS FUNCTIONALITY	SMA female 3.3 V Active Antenna GPS Protocols Buffered GPS message feature	NMEA, TAIP, Binary Yes	Fakra 3.3 V Active NMEA, TAIP, Binary Yes																		
OVER-THE-AIR COMMANDS	I/O control, GPS TX internal, binary reporting, timed reporting, alarm reporting, maximum speed exceeded, status change reports, GPS content, event reporting, distance reporting, geo fencing and virtual odometer																				
SIM CARD/INTERACE/I/O	External 2.5 mm headset and via TNC 5 user-defined digital I/O 2 A/D input/port 1 audio I/O Yes Yes	External Via I/O connector TNC 12-pin WAGO 2 user inputs, 1 output Yes Yes	External 2.5 mm headset FAKRA 8-pin Molex 2 user inputs, 1 output Yes Yes																		
SOFTWARE	PPP, AT, UDP/API,TCP/IP API & PAD UDP (PAD) AT or UDP (PAD), CMUX	PPP, AT, UDP/API,TCP/IP API & PAD UDP (PAD), TCP (PAD) AT or UDP (PAD), CMUX	PPP, AT, UDP/API,TCP/IP API & PAD UDP (PAD) AT or UDP (PAD), CMUX																		
ENVIRONMENT	Operating Storage Humidity Vibration																				
POWER	5 – 30 V	9 – 30 V	7 – 40VDC Rechargeable Li-Ion battery (1-hr use)																		
GSM operating power (typical) @ 12 volts	<table border="1"> <thead> <tr> <th>Band</th> <th>Mode</th> <th>Avg (mA)</th> <th>Peak (A@dBm)</th> </tr> </thead> <tbody> <tr> <td rowspan="2">GSM 850 & EGSM 900</td> <td>1TX/1RX</td> <td>230</td> <td>2.1</td> </tr> <tr> <td>Idle</td> <td><45</td> <td></td> </tr> <tr> <td rowspan="2">DCS 1800 & PCS 1900</td> <td>1TX/1RX</td> <td>175</td> <td>1.5</td> </tr> <tr> <td>Idle</td> <td><45</td> <td></td> </tr> </tbody> </table>			Band	Mode	Avg (mA)	Peak (A@dBm)	GSM 850 & EGSM 900	1TX/1RX	230	2.1	Idle	<45		DCS 1800 & PCS 1900	1TX/1RX	175	1.5	Idle	<45	
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CERTIFICATIONS	Parts 15, 22 & 24 Version 3.21.1 Version 3.7.1 Yes Yes Yes Yes		Parts 15, 22 & 24 Version 3.21.1 Version 3.7.1 Yes Yes Yes Yes																		
PART NUMBERS	GSM-2208-20	GSM2218-01	GSM2238																		