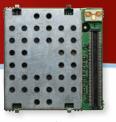
## **ENFORA ENABLER™ III**

GSM/GPRS/EDGE QUAD-BAND OEM MODULE



(actual size)

## WHEN SMALL SIZE & LOW POWER MATTER

The Enabler III is a fully certified quad-band OEM module family that packs complete GSM/GPRS/EDGE functionality into a compact footprint. The built-in IP packet router and always-connected capability lets you pack additional functionality into limited space. With power consumption of <2.5mA the Enabler III significantly enhances longer battery life.

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.

## **QUICK OVERVIEW**

- Utilizes leading-edge GSM/ GPRS/EDGE silicon solutions from Texas Instruments
- Supports essential features
  - · Voice
  - ·SMS
  - · Circuit-switched data
  - GPRS Class 10 data integrated TCP/IP software stack
  - · UDP (PAD)

## • eWiDE

- · Optimized data pipe
- · Network router
- · Control and automation
- · Rules engine
- · Application OS

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 small size and low power matter in your design, Enfora is ready to help you enable information anywhere.

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	ENABLER IIIE QUAD-BAND EDG0308				LER IIIG -BAND	ENABLER IIIG QUAD-BAND GSM0308	
MODEL NUMBER				GSM0	306		
CHARACTERISTICS  Dimensions Weight RF connector  Main Connector	34 x 28 x 2.5 mm 5.6 g MCD coaxial or board-to-board compresor Molex 0.4 mm Slim Stack (1.5 mm mating height)			<3.6 g Board-to-l Molex 0.4	0 x 2.5 mm board compresor mm Slim Stack nating height)	27.0 x 28.0 x 2.5 mm <4.2 g with SIM carrier <3.6 g without SIM carrier MCD coaxial or board-to-board compresor Molex 0.4 mm Slim Stack (1.5 mm matting height)	
RADIO PERFORMANCE Frequency (MHz) Sensitivity	850/900/1800/1900 -106 dB (typical)			900/1800 -106 dB (i	typical)	850/900/1800/1900 -106 dB (typical)	
Transmit power	Class 4 (2W@850/900 MHz) Class 1 (1W@1800/1900 MHz)			Class 4 (2) Class 1 (1)	Class 4 (2W@850/900 MHz) Class 1 (1W@1800/1900 MHz) Class 1 (1W@1800/1900 MHz)		
GPRS PACKET DATA  Mode Protocol Coding schemes Packet channel	Class B, Multislot 10 GSM/GPRS/EDGE/AMR Rel 99 CS1-CS4, MCS1-MCS9 PBCCH/PCCCH			GSM/GPF CS1-CS4	Class B, Multislot 10 GSM/GPRS Rel 97, AMR Rel 99 CS1-CS4 PBCCH/PCCCH		
GSM FUNCTIONALITY Voice CS data GSM SMS	FR, EFR, HR & AMR Asynchronous; Transparent and Non-Transparent up to 14.4 kb Text, PDU, MO/MT, Cell Broadcast						
SIM ACCESS  Remote SIM Optional integrated SIM carrier	1.8/3V SIM Yes						
SOFTWARE  Host protocols Internal protocols API control/status Physical interface	AT commands, CMUX, PPP PPP AT commands Serial 16550, USB 2.0			PPP, UDP AT comma	AT commands, UDP API, CMUX, PPP PPP, UDP API, TCP API, UDP PAD, TCP PAD AT commands, UDP API, TCP API, AT commands over SMS Serial 16550, USB 2.0		
Peripheral interface	8 programmable I/O, 2 analog inputs, 3 audio (1 digital audio)				8 programmable I/O (expandable to 20), 1 analog input, 3 audio (1 digital audio)		
ENVIRONMENT Operating Compliant Storage Humidity	-30°C to 85°C -20°C to 60°C -40°C to 85°C Up to 95% nor	-condensing					
POWER DC voltage Direct connect to lithium ion battery (3.6 Vdc)	3.3 to 4.5 Vdd Yes						
GSM operating power (typical)	Band GSM 850 & 900  DCS 1800 & 1900	Mode  1TX/1RX Idle 1TX/1RX Idle Sleep	Avg (mA)  250 <2.5 DRX 5  215 <2.5 DRX 5  600 μA	Peak (A@dBm) 1.6			
CERTIFICATIONS FOC GCF	Parts 15, 22 & 24 Version 3.27.0			N/A Version 3.	27.0	Parts 15, 22 & 24 Version 3.27.0	
PTCRB CE Mark Industry Canada (CSA) RoHS Compliant	Version 3.12.0 Yes Yes Yes			N/A Yes N/A Yes		Version 3.12.0 Yes Yes Yes	
PART NUMBERS Without SIM carrier With SIM carrier	EDG0308-10 (B2B RF) EDG0308-70 (Micro coaxial) EDG0308-11 (B2B RF) EDG0308-71 (Micro coaxial)			EDG0306 EDG0306	-10 (B2B RF) -70 (Micro coaxial)	GSM0308-10 (B2B RF) GSM0308-70 (Micro coaxial) GSM0308-11 (B2B RF) GSM0308-71 (Micro coaxial)	

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