

ENABLER<sup>®</sup>  
IIIG



## GPRS Dual-Band OEM Module

Core to all things Novatel Wireless, the GPRS low power platforms deliver small size and industry-leading high performance driving the essential capabilities, mobile connectivity, and device intelligence needed for today's demanding design-in and OEM markets.

### Diverse Options

The Enabler IIIG is form factor compatible across GPRS modules, allowing manufacturers tremendous flexibility and versatility in developing and deploying worldwide solutions.

### Versital Design

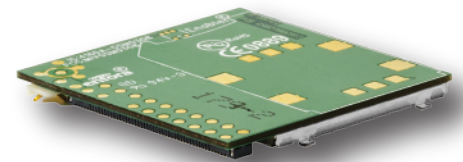
The modular architecture is shared across all platforms and powered by a programmable rules engine. The network router, control, and automation capabilities provide manufacturers with a flexible structural design for rapid product development and deployment.

### Compatible Platforms

The platforms are fully compatible with the N4A™ Software Suite that is anchored by the Communications & Management Software (CMS) solution. The robust N4A Software allows device provisioning, monitoring, and remote configuration from anywhere in the world. Novatel Wireless's flexible, modular architecture delivers simpler, faster development and deployment of your application- keeping you connected to your business-critical data Anywhere, Anytime.

### Device Benefits

- Leading-edge silicon solutions from Qualcomm and Texas Instruments
- 100-pin connector form factor is compatible across technologies
- Optional SIM carrier provides smallest overall system size
- Integration with N4A Software for quick development and deployment
- Supports essential features:
  - o Voice
  - o SMS
  - o Packet Data
  - o TCP/IP and UDP/IP software stack with Packet Assembler Disassembler
  - o Network router and control/automation



## GPRS Dual-Band OEM Module

### Housing

- Dimensions: (L x W x H) 28 x 27 x 2.5 mm
- Weight: < 3.6g
- RF Connector: Board-to-Board Compressor
- Main Connector: Molex 0.4 mm Slim Stack (1.5 mm Mating Height)

### Radio

- Air Interface: GSM/GPRS
- Frequency Bands: 800/1900 MHz
- Sensitivity: -106 dBm (Typical)
- Peak Downlink Speed: 85.6 kbps
- Peak Uplink Speed: 42.8 kbps

### SIM Access

- Remote SIM: 1.8/3 V
- Optional Integrated SIM Carrier: Yes, Full Size

### Interface

- Host Protocols: AT Commands, UDP API, CMUX, PPP
- Internal Protocols: PPP, UDP API, TCP API, UDP and TCP (PAD)
- API Control/Status: AT Commands, UDP API, TCP API, AT Commands Over SMS
- Physical Interface: UART, USB
- Peripheral Interface: 8 Programmable I/O (Expandable to 20), 1 Analog Input, 3 Audio (1 Digital Audio)

### Certifications

- FCC: N/A
- GCF: Version 3.27.0
- PTCRB: N/A
- CE: Yes
- Industry Canada: N/A
- RoHS Compliant: Yes

### Part Numbers

- Without SIM Carrier: GSM0306-10 (B2B RF), GSM0306-70 (Micro Coaxial)
- With SIM Carrier: GSM0306-11 (B2B RF), GSM0306-71 (Micro Coaxial)

### Functionality

- Voice: FR, EFR, HR & AMR
- SMS: Text, PDU, MO/MT, Cell Broadcast

### Environment

- Operating: -30°C to 85°C
- Compliant: -20°C to 60°C
- Storage: -40°C to 85°C
- Humidity: Up to 95% Non-Condensing

### Power

- Operating Voltage: 3.3 - 4.4 V DC

### GSM Operating Power (Typical)

- Band: GSM 850/900 MHz, GSM 1800/1900 MHz
- Mode: 1 TX/1RX; Idle; Sleep
- Average (mA): 250; 215; < 2.5 DRX 5; 600  $\mu$ A
- Peak (A): 1.6; 1.3

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