

ENABLER®
HS 3002



HSDPA Multi-Band OEM Module

Core to all things Novatel Wireless, the GPRS, 1xRTT and 3G HSDPA 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

This Enabler family is form factor compatible across HSDPA modules, allowing manufacturers tremendous flexibility and versatility in developing and deploying worldwide solutions.

Versital Design

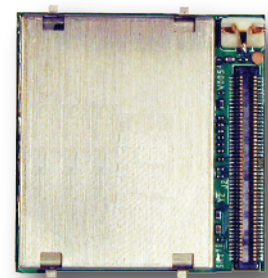
The modular architecture is shared across all platforms and powered by a programmable rules engine. The network router, control, and automation capabilities provide manufacturers with a flexible structural design for rapid product development and deployment.

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
- 100-pin connector form factor is compatible across technologies
- 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



HSDPA Multi-Band OEM Module

Housing

- Dimensions: (L x W x H) 28 x 27 x 4.5 mm
- Weight: 6.1g
- RF Connector: Board-to-Board Compressor
- Main Connector: 100-pin Molex 0.4 mm Slim Stack (1.5 mm Mating Height)

Radio

- Air Interface: 3G: UMTS/HSDPA
2G: GSM/GPRS/EDGE
- Frequency Bands: 3G: 850/1900 or 900/1900/2100
2G: 850/900/1800/1900
- Sensitivity: -106 dBm (Typical)
- Peak Downlink Speed: 3.6 Mbps
- Peak Uplink Speed: 154 kbps

Functionality

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

SIM Access

- Remote SIM: 1.8/3V SIM
- Integrated SIM Carrier: Yes, Micro SIM

Certifications

- FCC: Parts 15, 22, 24 (Pending)
- PTCRB: (Pending)
- CE: Article 3.1a, 3.1b, 3.2 (Pending)
- GCF: (Pending)
- RoHS Compliant: Yes
- Industry Canada: RSS-210, 132, 133 (Pending)

Part Numbers

- Without SIM Carrier: N/A
- With SIM Carrier: CNN0402-11 (3G 850/1900)
CNN0403-11 (3G 900/1900/2100)

Interface

- Host Protocols: AT Commands, UDP API, PPP, FOTA
- Internal Protocols: PPP, UDP API, TCP API, UDP PAD, 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

Environment

- Operating: -30°C to 70°C
- Compliant: -20°C to 60°C
- Storage: -40°C to 85°C
- Humidity: Up to 95% Non-Condensing

Power

- 3.4 - 4.4 V DC

For More Information:

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NASDAQ: NVTL
www.novatelwireless.com



ISO 9001:2000 Certified