![GateTel IoT Solutions logo]

GT-HE910-NAD

Product Description

The GT-HE910-NAD terminal is a standalone modem solution for wireless m2m applications based on the Telit GT-HE910- NAD HSPA core engine. It is equipped with an integrated SIM card-holder, USB connector, RS232 and GPIO ports. It is fully backward compatible with existing EDGE and GSM | GPRS networks through accomplished quad-band radios. The GT-HE910-NAD is optionally available with an m2mAIR SIM card for advanced value-added services and connectivity subscription. Working out-of-the-box for applications in all regional markets and geographic locations with cellular coverage. The m2mAir-equipped GT-HE910-NAD is the ideal solution for wide geography applications, field trials and flash.

m2mAIR Ready

The GT-HE910-NAD is capable of supporting the extensive suite of m2mAIR value-added services and connectivity that you can use to enhance your application and boost your competitive advantage.

Available For North America

Key Benefits

- Programmable, flexible standalone solution with Python script interpreter.

- Works in most environments with its extended operating temperature and wide supply voltage (6-55 VDC).

- Internet friendly with integrated TCP/IP stack.

- Flexible connectivity via standard serial USB interface or RS232.

- Easy to integrate with drivers for the most common operating systems.

- Over-the-Air firmware update with Premium FOTA Management.

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Product features

- HSPA 5.76 UL /7.2 DL
- UMTS | HSPA (WCDMA/FDD) 800/850, AWS1700, 1900 MHz
- Quad–band EGSM 850, 900, 1800, 1900
- GPRS multi–slot class 33
- EDGE multi–slot class 33
- Control via AT commands according to GSM 27.005, 27.007 and Telit enhancements
- SIM access profile
- TCP/IP stack access via AT commands
- Point-to-point mobile originated and mobile terminated SMS
- Concatenated SMS supported
- SMS cell broadcast
- Text and PDU mode
- FAX: Group 3, class 1
- SIM phonebook
- Fixed dialing number (FDN)
- Real–time clock
- 2x LED for status indication
- IRA, UCS2 and GSMDefaults
- Jamming detection & report
- Embedded TCP/IP stack, including TCP, IP, UD P, SMTP and FTP protocols
- WatchDog

Data

- HSPA category 6 in uplink and up to category 8 in downlink
  – Uplink up to 5.76 Mbps
  – Downlink up to 7.2 Mbps
- UMTS
  – Uplink / Downlink up to 384 kbps
- EDGE
  – Uplink up to 236.8 kbps – Downlink up to 296 kbps
- GPRS
- CSD

Environmental

- Dimensions: 3.27"x2.52"x1.30" (83 x 64 x 33 mm)
- Weight: 180 grams
- Temperature range:
    –22°F to +158°F (–30°C to +70°C)   Operational
    –40°F to +185°F (–40°C to +85°C)   Storage temperature

Approvals

- CE
- FCC
- CA
- PTCRB
- AT&T
- Rogers
- T–Mobile

Electrical & Sensitivity

- Output power
  - Class 4 (2 W, 33 dBm) @ GSM 850 / 900
  - Class 1 (1 W, 30 dBm) @ GSM 1800 / 1900
  - Class 3 (0.25 W, 24 dBm) @ UMTS
  - Class E2 (0.5 W, 27 dBm) @ EDGE 850 / 900 – Class E2 (0.4 W, 26 dBm) @ EDGE 1800 / 1900
- Supply voltage range: 6–55 V DC
- Sensitivity:
  - 111 dBm (typ.) @ 850 / 900 MHz
  - 109 dBm (typ.) @ 1800 / 1900 MHz
  - 110 dBm (typ.) @ 850 / 1900 / 2100 MHz

Software

- Premium FOTA Management Over–the–Air update
- EASY SCAN ®automatic scan over GSM frequencies (with or without a SIM Card)

http://www.gatetel.com