

3G Dual Mode Mobile Hotspot

: HSPA+ & EV-DO Rev.B



Overview

3G Dual mode Mobile Hotspot opens the world of anytime, anywhere mobile broadband internet to Wi-Fi devices and applications. Discover new ways of working, staying in touch and being entertained.

Turn your wireless connection into a mobile hotspot that supports any Wi-Fi enabled device. Not only laptops, but digital cameras, MIDs, iPod touch, printers and game consoles can now connect to the Internet through the high speed mobile broadband networks.

Enjoy Internet connectivity in a hotel, car, or airport. No more waiting to get online with hotspot support for up to five concurrent devices. Use HSPA+ & EV-DO Rev.B Mobile Hotspot to set up a mobile office for road warriors. Or, provide convenient the Internet access when your family is on vacation.

Detail Specifications

➤ Cellular Interface

- Standards : HSPA+ & CDMA 1x EVDO Rev.B/A/0
- Band Options
CDMA 450MHz I Band
WCDMA UMTS 2.1GHz & GSM 900/1800MHz
- Data Rate
CDMA 3.1Mbps D/L & 1.8Mbps U/L
UMTS 14.4Mbps D/L & 5.76Mbps U/L
- RX Frequency Range
450MHz I band : 461.325 ~ 465.725MHz
UMTS 2100MHz : 2112.4 ~ 2167.6MHz
GSM 900 : 935.0 ~ 960.0MHz
GSM 1800 : 1805.2 ~ 1879.8MHz
- TX Frequency Range
450MHz I band : 451.325 ~ 455.725MHz
UMTS 2100MHz : 1922.4 ~ 1977.6MHz
GSM 900 : 890.0 ~ 915.0MHz
GSM 1800 : 1710.2 ~ 1784.8MHz
- TX Waveform Quality(ρ) : > 0.944
- Minimum Controlled Output Power : <-50dBm /^{or}=-25dBm
- Rx Sensitivity : <0.5% @/^{or}=-104dBm
- Max Output power : 0.25W
- Platform : Qualcomm MDM6600

➤ WIFI Interface

- Data Rate : IEEE 802.11 b/g (Max 54Mbps)
- Security : WEP(64/128bit), WPA-PSK, WPA-PSK2 (TKIP/AES), MAC Address

➤ Network Selection

- 3G Only
- CDMA Only
- 3G preferred + CDMA

➤ LED Indicator

- Number of LED : 5
- Contents : Power, Mode, RSSI, In Use, Wi-Fi

➤ RUIM Interface

- Number of SIM : 1
- SIM Control : 1.8V or 3V

➤ Antenna Connector Characteristics

- 3G Main & Diversity Internal Antenna
- Wi-Fi Internal Antenna
- 2 External Antenna ports for 3gG/CDMA & WiFi

NH200M PRODUCT SPECIFICATIONS

➤ Physical Characteristics

- Dimensions : 125(W) x 76(D) x 18(H) mm
- Weight : 300g (w/ battery, TBD)

➤ Power Requirements

- Input Voltage : 5V 1A
- Power consumption (Watt) : 10W
- Backup Battery : Detachable Li-Ion 2,800mAh

➤ Battery Charging Time

- < 4Hrs @ Unit power is off and 5V/1A AC adaptor usage condition *

* Note: Charging time can be various depending on the power on/off, signal strength and the number of client device

➤ Operating Time

- Idle state : < 11Hrs*
- Working state : < 7.5Hrs**

*, ** Note: Operating time can be various as per the signal strength and the number of client device.

➤ Environmental Limits

- Operating Temperature : -10 to 60°C
- Storage Temperature : -20 to 70°C

➤ Software

- Network Protocols : TCP/IP, UDP, DHCP, Telnet, DNS, SNMP, HTTP & HTTPS
- Router/Firewall : NAT, Port forwarding
- Security : Accessible IP list
- Watchdog : Monitoring modem status and self-restarting using LCP Echo
- Web UI Support

➤ Regulatory Approvals

- Safety : EN 60950-1:2001+A11:2004
- EMC : ETSI EN 301 489-1 V1.6.1(2005-09)
ETSI EN 301 489-17 V1.2.1(2002-08)
ETSI EN 301 489-25 V2.3.2(2005-07)
- Radio : ETSI EN 301 526 V1.1.1(2006-07)
ETSI EN 300 328 V1.7.1(2006-10)

➤ Package Contents

- Main Unit, Quick Guide, Li-Ion Battery, 5V/1A AC Adapter