

NP10M PRODUCT INTRODUCTION**Multi-mode Router: 3G, 2G and CDMA EVDO Rev.B****Overview**

NP10M gives you an easy, secure and global access all over the world. NP10M is high-performance cellular router that allows up to 2 Ethernet-based devices to simultaneously use dual cellular data account of CDMA & WCDMA for primary or backup network connectivity.

The NP10M can be placed on a desktop or wall-mounted, whereas the NP10M has a screw bracket and can be mounted to the wall with various positions. The NP10M uses 6 to 24 VDC power input.

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Detail Specifications

➤ Cellular Interface

- Standards: CDMA 1x EVDO Rev.B & UMTS, GSM(GPRS/EDGE)
- Band Options:
 - CDMA: 450MHz I band
 - UMTS 2100MHz
 - GSM 900/1800MHz
- Data Rate:
 - CDMA: 14.7Mbps downlink / 5.4Mbps uplink
 - UMTS: 14.4Mbps downlink / 5.76Mbps uplink
- RX Frequency Range
 - CDMA 450MHz A band: 462.500 ~ 467.475MHz
 - UMTS 2100MHz: 2112.4 ~ 2167.6MHz
 - GSM 900MHz: 935.0 ~ 960.0MHz
 - GSM 1800MHz: 1805.2 ~ 1879.8MHz
- TX Frequency Range
 - CDMA 450MHz A band: 452.500 ~ 457.475MHz
 - UMTS 2100MHz: 1922.4 ~ 1977.6MHz
 - GSM 900MHz: 890.0 ~ 915.0MHz
 - GSM 1800MHz: 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

➤ LAN Interface

- Number of Port: 2 (WAN/LAN1, LAN2)
- Ethernet: 10/100 Mbps, RJ45 connector

➤ WIFI Interface

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

➤ USIM Interface

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

➤ USB Interface

- Number of USB Port: 1 (Mini-b)
- USB Standard: USB 2.0
- CDMA & WCDMA Modem connection

➤ Antenna Connector Characteristics

- 3G: TNC female connector, CDMA 450MHz & UMTS 2100MHz and GSM 900/1800MHz
- WIFI: SMA female connector, WIFI 2.4GHz

➤ Physical Characteristics

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- Dimensions: 127(W) x 100(D) x 26(H) mm
- Weight: 280g (w/ battery)

- **Power Requirements**
 - Number of Power: Input 1 power jack
 - Input Voltage: 6 to 24 VDC
 - Power consumption (Watt): 10W
 - Backup Battery: Detachable Li-Ion 2,000mAh

- **Battery Charging Time**
 - < 3Hrs @ Unit power is off and 12V/1A AC adaptor usage condition *
 - * Note: Charging time can be various if the unit is power on, signal strength, and number of client device

- **Operating Time**
 - Idle state: < 4Hrs*
 - Working state: < 3Hrs**
 - *, ** Note: Operating time can be various as per signal strength and number of client.

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

- **Software**
 - Network Protocols: TCP/IP, UDP, DHCP, DNS, HTTP
 - WAN Compatibility:
 - ◆ IEEE 802.3u compliant Cable and DSL modems with Dynamic IP
 - ◆ Static IP and PPP over 3G
 - Router/Firewall: NAT, Port forwarding
 - Authentication: Local user-name and password
 - Configuration and Management Options: DDNS, IP Report, Web/Telnet Console
 - CDMA Modem Driver: Windows XP/Vista/7 32/64bit, Mac OSX 10.4/10.5/10.6
 - Network Selection
 - ◆ 3G Only
 - ◆ CDMA Only
 - ◆ 3G preferred + CDMA

- **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, 3G Antenna & WiFi Antenna

- **WEB GUI**
 - Built-in HTML Webserver
 - Provides a simple way to access, configure and maintenance the router with standard web browser.