3G M2M Router

Perfect for

- Industrial deployments in harsh environments
- Primary and secondary Internet connectivity
- Controlling and monitoring of connected machines from remote locations
- Collection and analysis of data from connected machines
- Point-to-point or Point-to-Multipoint Machine-to-Machine communications

KEY FEATURES

- ⊙ Powerful and flexible industrial cellular router supporting various networks and service types UMTS/HSPA+ & GSM/GPRS/EDGE
- ⊙ Industrial features – rugged enclosure, wide operating temperature range -20 to 65°C, wall mount option and captive DC power terminal block
- ⊙ Wide input voltage range 9-28V DC suitable for diverse environments and applications
- ⊙ Embedded Linux operating system allowing for the installation of custom applications - SDK is available
- ⊙ Web interface for easy centralized configuration and management
- ⊙ One 10/100Base-TX port for Ethernet connections
- ⊙ One RS232 DB9 DCE port for connection to serial devices
- ⊙ VPN Client for establishing a secure connection over public cellular network
- ⊙ TR-069 device management
- ⊙ Supports SNMP with cellular specific MIB, PPPoE, RIP, VRRP, DDNS, MAC /NET address filtering, DHCP/DHCP relay
- ⊙ System monitoring, remote diagnostics, configuration and update over the air, diagnostic log viewer
- ⊙ Integrated GPS support, multi-level administration passwords
- ⊙ Firmware upgrade Over-the-Air (FOTA)

NetCommWireless

NTC-6000

3G M2M Router

SPECIFICATIONS

MEMORY
- 256MB Flash / 64MB DRAM

OPERATING SYSTEM
- Embedded Linux

MAXIMUM DATA SPEED
- 7.2Mbps downlink / 5.76Mbps uplink

UMTS BANDS
- Tri-Band 850/1900/2100 MHz

GSM/ EDGE/ GPRS
- Quad-Band 850/900/1800/1900 MHz

CONNECTIVITY
- 1x RS232 Serial Port DB-9 female DCE, 1x 10/100Base-TX Ethernet RJ45 port with Auto MDIX

SIM CARD READER
- Mini SIM Card Reader with Locking Tray

ANTENNA CONNECTORS
- 2x SMA (1x Main and 1x RX Div)

LED INDICATORS
- Power, Network Service Type, Tx/Rx Data Traffic, Data Carrier Connection, Network Signal Strength

MANAGEMENT
- TR-069 device management
- SNMP, Web-based Management, System Monitoring, Diagnostic Log Viewer, Firmware upgrade Over-the-Air (FOTA)
- SMS Client (send/receive), Advanced SMS Diagnostics and Command Execution
- Event notification feature providing ability to send alerts to SMS, E-mail, TCP/UDP server when certain system events occur.

ROUTING & OTHER FUNCTIONS
- DHCP Server/Client/Relay, Static Route, DynDNS, NET/MAC Address Filtering, NAT, DNS Masquerading, RIP, VRRP, PPPoE, PPP Dial-in and Dial-out Connections with PAP/CHAP Authorization, Modem emulator, DMZ, GPS Location-based Services
- Data Stream Manager providing ability to create mappings between input and output ports and perform required translation or data processing by each virtual tunnel
- Modbus Server TCP/IP Gateway and Client TCP/IP Agent with up to 247 slaves connected to the Serial TCP/IP Gateway
- Modbus RTU/ASCII frames support

VPN
- IPSec, PPTP, GRE, Open VPN

TEMPERATURE / HUMIDITY
- Operating: -20°C to 65°C (-22F to 140F) / 0 ~ 85% (non-condensing)

INPUT SUPPLY VOLTAGE

  IDLE INPUT CURRENT
  - o 9 - 28 V DC
  - o 1.44W (120mA @ 12V DC)
  - o 2.16W (180mA @ 12VDC)

DIMENSIONS & WEIGHT
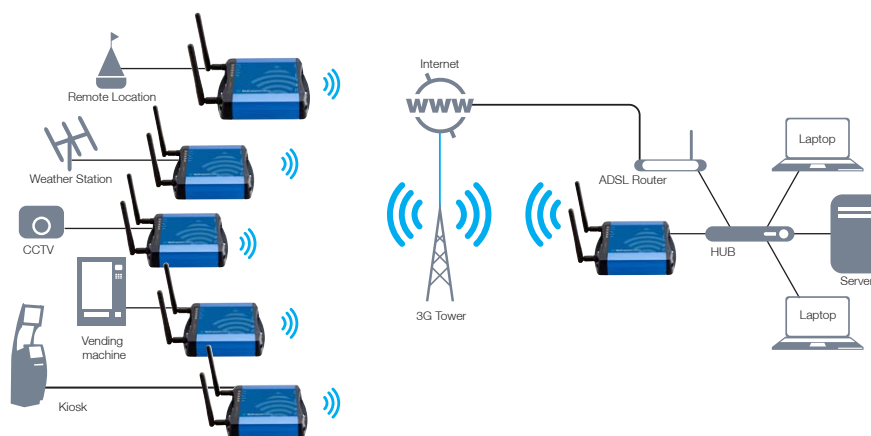- 127mm (L) x 103mm (W) x 29mm (D) / 240g

REGULATORY COMPLIANCY
- A-Tick

PACKAGE INCLUDES
- External Power Adapter with Captive Plug 100-240V AC to 12V DC/1.5A, 2x Antennas, Ethernet CAT5E Crossover Cable, Quick Start Guide

The NTC-6000 Series allows you to build wide area networks utilising the speeds supported by 3G networks.

The NTC-6000 Series provides the user a point-to-point or point-to-multi-point communications link in a single compact and resilient unit. These fully featured cellular network routers support a large number of communication interfaces and protocols, and meet the demands of today's telemetry and WAN applications.

The router's embedded Linux operating system and available software development kit (SDK) offers the user the ability to install custom firmware via the application programming interface.

Designed with remote installation in mind the NTC-6000 Series supports multi-level system monitoring giving the user peace of mind the device will keep the communication lines up and open.