3G Cellular Industrial Router

KEY FEATURES
⊘ Embedded 3G router
⊘ 7.2Mbps downlink and 384Kbps uplink – ideal for entry level Telemetry applications
⊘ Supports a single Ethernet, Serial and USB host port
⊘ PAD Mode allows serial data to be assembled/disassembled as an IP packet
⊘ Multi level system monitoring keeps communication lines up and open
⊘ Supports SNMP with Cellular specific MIB, PPPoE, RIP, VRRP, DDNS, NET/MAC address filtering, Open VPN, DHCP/DHCP relay
⊘ Wide variety of protocols
⊘ Rugged metal housing and bracket, for environmentally challenging conditions
⊘ High Speed Circuit Switched Data (HCSCD) for connectivity to serial based legacy systems

The NTC-882 allows you to build wide area networks utilizing the superior speeds supported by the 3G networks.

The NTC-882 provides the user a point to point or point to multipoint communications link in a single compact and resilient unit.

The NTC-882 is a fully featured device supporting a large number of communication interfaces and protocols, to meet the demands of today's telemetry and WAN applications.

The router's Linux OS 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-882 supports multi level system monitoring, giving the user peace of mind the device will keep the communication lines up and open.

TECHNICAL SPECIFICATIONS

DATA SPEEDS
Downlink: 7.2Mbps
Uplink: 384Kbps

DIMENSIONS
140mm (l) x 80mm (w) x 44mm (h)
(Excluding mounting brackets)

INPUT SUPPLY VOLTAGE
8 - 28 VDC

OPERATING TEMPERATURE RANGE
-30 to +70 Degrees C

CELLULAR NETWORK TYPE
UMTS/HSDPA
850/2100/1900MHz
EDGE/GPRS/GSM
900/1800/1900MHz/2100MHz

STANDBY INPUT CURRENT
230mA @ 12VDC

MAXIMUM INPUT CURRENT
550mA @ 12 VDC

DATA CONNECTIONS
V.24 DB9 female
Ethernet 10/100bt full duplex
USB Host Controller

DATA SIM CARD
Mini SIM plug-in/removal

(RF) ANTENNA CONNECTOR
SMA

Product Features

- Internal PPTP and IPSEC VPN Client – Offering the ability to add a fixed IP address to the device by connecting through a companies private network. (Tested on CISCO and Microsoft RAS)

- Embedded Linux 2.4.27 allowing for the installation of custom applications.

- USB Host controller, giving the ability to add on external devices such as additional memory or USB serial port converter.

- Browser configurable software, giving ease of set up from any P.C.

- Supports SNMP with Cellular specific MIB, PPPoE, RIP, VRRP, PPTP and IPSEC VPN Clients, DDNS, Open VPN, NET/MAC address filtering, DHCP/DHCP relay

- High Speed Circuit Switched Data (HSCSD) or PAD mode via the serial port.

- Diagnostic log viewer via browser

Typical Applications

- Primary high speed Internet access

- Alternate communication channel for business continuity where primary communications are lost

- Telemetry applications

CONNECTION DIAGRAM

Remote location data collection

Weather Station

CCTV

Temporary Office

Transport

Internet

Head Office

3G Cellular Network