NETCOMM CALLDIRECT SERIES
Industrial 3G Cellular Network Router

NetComm

NTC-6908 / NTC-6909

KEY FEATURES

- Powerful and flexible industrial cellular router platform supporting various networks and service types UMTS/HSDPA/HSUPA & GSM/GPRS/ EDGE.
- Industrial Features – rugged enclosure, wide operating temperature range -30 to 70°C, wall mount option and captive DC power terminal block.
- Wide input voltage range 8-28V 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 from any PC.
- One 10/100Base-TX port for Ethernet and serial connections.
- One RS232 DB9 DCE port for connection to serial devices.
- VPN support for establishing a secure connection over public cellular network using IPsec or OpenVPN.
- Supports SNMP with cellular specific MIB, PPPoE, RIP, VRRP. DDNS, MAC /NET address filtering, Open VPN, DHCP/DHCP relay
- System monitoring, remote diagnostics and configuration over the air, diagnostic log viewer via browser
- PAD mode via the serial port
- Integrated GPS support via SDK (Software Development Kit)

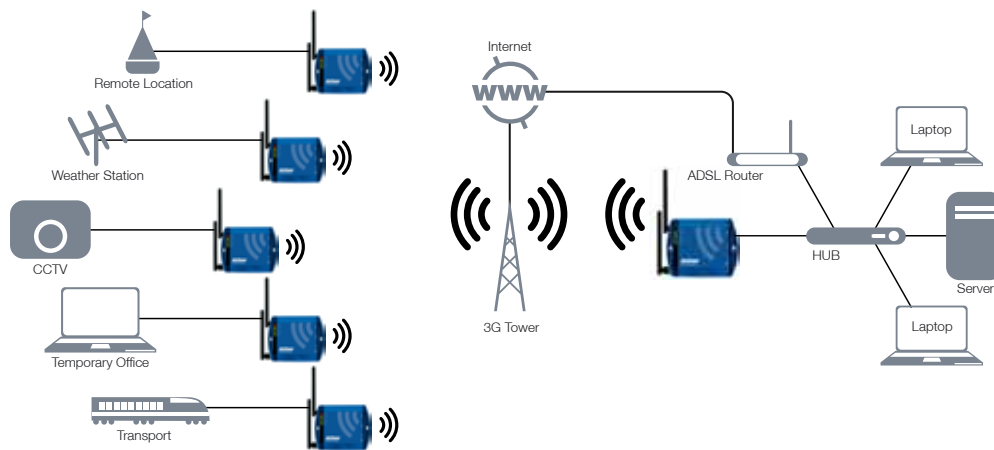| Model Code/ Part Number	Description	APN Code
NTC-6908	NetComm CallDirect Series Industrial HSPA Cellular Router	9317773013993
NTC-6909	NetComm CallDirect Series Industrial HSPA Cellular Router	9317773014006

CUSTOMISED INTELLIGENCE

The **NTC-6000 Series** allows you to build wide area networks utilising the superior speeds supported by 3G UMTS networks. Employing an embedded 3G modem module it offers downlink speeds of up to 7.2Mbps and uplink speeds of up to 5.76Mbps.

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.

TECHNICAL SPECIFICATIONS

MODELS	NetComm NTC-6908	NetComm NTC-6909
CPU	Atmel AT91SAM9G20 Microcontroller (ARM9)	
MEMORY	256MB Flash / 64MB DRAM	
OPERATING SYSTEM	Embedded Linux	
MAXIMUM DATA SPEED	Downlink: 7.2Mbps, Uplink: 5.76Mbps	
3G DATA MODEM MODULE	Sierra Wireless MC8790V	Sierra Wireless MC8792V
CHIPSET	Qualcomm MSM6290	Qualcomm MSM6290
UMTS/HSDPA/ HSUPA	Tri-Band 850/2100/1900 MHz	Tri-Band 900/2100/1900 MHz
GSM/ EDGE/ GPRS	Quad-Band 850/900/1800/1900 MHz	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 Plug-in/Removal	
ANTENNA CONNECTORS	2x SMA-F (1x Main and 1x RX Div)	
LED INDICATORS	Power, Network Service Type, Tx/Rx Data Traffic, Data Carrier Connection, Network Signal Strength	
MANAGEMENT	SNMP, MIB, Web-based Management, System Monitoring, Diagnostic Log Viewer, Firmware Upgradeable via Browser	
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, PAD Mode via Serial Port	
VPN	OpenVPN, PPTP, IPsec Client (upon request)	
OPERATING TEMPERATURE	-30°C to 70°C	
INPUT SUPPLY VOLTAGE	8 - 28 V DC	
STANDBY INPUT CURRENT	110mA @ 12V DC	
3G ACTIVE INPUT CURRENT	300mA @ 12VDC	
MAXIMUM INPUT CURRENT	560mA @ 12V DC	
DIMENSIONS & WEIGHT	127mm (L) x 103mm (W) x 29mm (D) / 240g	
REGULATORY COMPLIANCY	A-Tick, RoHS	
PACKAGE INCLUDES	External Power Adapter with Captive Plug 100-240V AC to 12V DC/1.5A, Ethernet CAT5E Crossover Cable, Quick Start Guide	