

NETCOMM CALLDIRECT SERIES **Industrial 3G** Cellular Multi-Port / Wi-Fi Router

NetComm[®]

NTC-8928 / NTC-8929



KEY FEATURES

- Industrial HSPA cellular router with built-in Wi-Fi 802.11b/g access point
- Industrial features - rugged industrial metal housing with separate wall mount bracket to suit harsh environmental condition
- Industrial grade electronic components to ensure wide operating temperature range -30 to 70°C
- Wide input voltage range 8-28V DC and captive DC power terminal block to suit diverse environments and applications
- Embedded Linux operation system allowing for the installation of custom applications. SDK can be provided
- Web interface for easy centralised configuration and management from any PC
- One 10/100Base-TX port for Ethernet and Serial connections
- One USB 2.0 Host Controller for adding external devices such as storage, GPS receiver or USB serial port converter
- Reliable Wi-Fi 802.11b/g connectivity with dual antenna diversity (2T/2R) and data speeds up to 54 Mbps
- High-end security including firewall, WPA2 and VPN support for establishing a secure connection over public cellular networks using IPsec or OpenVPN
- Supports SNMP with cellular specific MIB, PPPoE, RIP, VRRP, DDNS, MAC /NET address filtering, Open VPN, DHCP/DHCP relay
- Integrated GPS support via SDK (Software Development Kit)

Model Code/ Part Number	Description	APN Code
NTC-8928	NetComm CallDirect Series Industrial HSPA Cellular Multi-Port Wi-Fi Router (850 MHz capable)	9317773013856
NTC-8929	NetComm CallDirect Series Industrial HSPA Cellular Multi-Port Wi-Fi Router (900 MHz capable)	9317773013863

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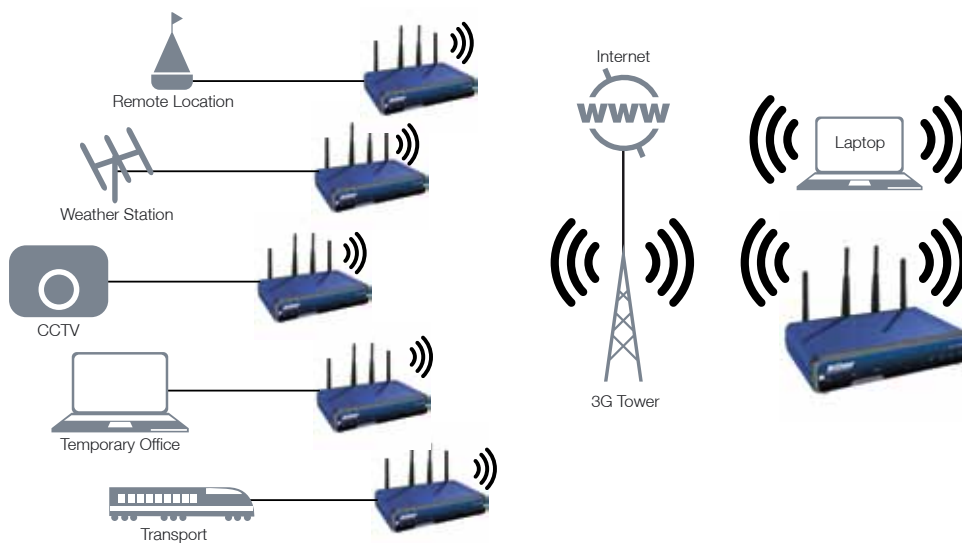
The NTC-8928 and NTC-8929 cellular routers allow you to build wide area networks utilising the superior speeds of cellular 3G networks. Employing an embedded 3G module they offer downlink speeds of up to 7.2 Mbps and uplink speeds of up to 5.76Mbps.

Both units feature an integrated Wi-Fi 802.11b/g access point with multiple inputs and outputs to connect to Wireless LAN clients with data speeds up to 54kbps and feature robust industrial housing and hardened CPUs, making them ideal for remote locations or harsh environmental conditions.

The NTC-8928 and NTC-8929 cellular routers provide you with a point-to-point or point-to-multipoint communications link in a single compact and resilient unit.

Multiple Ethernet interfaces, along with a variety of protocols, ensure these fully featured devices meet the demands of today's telemetry and WAN applications.

Designed with remote installation in mind, the NTC-8928 and NTC-8929 support multi-level system monitoring, giving you peace of mind the device will keep communication lines up and open.



TECHNICAL SPECIFICATIONS

MODELS	NetComm CDR-8928	NetComm CDR-8929
CPU	Atmel AT91SAM9G20 Microcontroller (ARM9 processor)	
MEMORY	256MB Flash / 64MB DRAM	
OPERATING SYSTEM	Embedded Linux	
MAXIMUM DATA SPEED	Downlink: 7.2Mbps, uplink: 5.76Mbps	
3G DATA MODEM/MODULE CHIPSET	Sierra Wireless MC8790V/Qualcomm MSM6290	Sierra Wireless MC8792V /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
WI-FI STANDARDS	IEEE 802.11g with data speeds up to 54Mbps, IEEE 802.11b with data speed up to 11Mbps	
WI-FI SECURITY	WEP 64-bit 128-bit / WPA / WPA2	
CONNECTIVITY	4x 10/100Base-TX RJ45 Ethernet ports with Auto-MDIX, 1x USB 2.0 Host Controller	
SIM CARD READER	Mini SIM Card Reader plug-in/removal	
ANTENNA CONNECTORS	2x SMA-F (1x Main and 1x RX Div) 2x SMA-M (for Wi-Fi Antennas)	
LED INDICATORS	7x Activity LED's for Power, Network Service Type, Data Carrier Connection, Network Signal Strength, Ethernet ports	
MANAGEMENT	SNMP, MIB, Web-based Management, 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	230mA @ 12V DC	
MAXIMUM INPUT CURRENT	550mA @ 12V DC	
DIMENSIONS	192mm (L) x 107mm (W) x 30mm (D)	
REGULATORY COMPLIANCY	A-Tick, RoHS	
PACKAGE INCLUDES	External Power Adapter with captive 2-way plug 100-240V AC to 12V DC/1.5A, Ethernet CAT5E Crossover Cable, Wall Mount Bracket	

NetComm®
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