

NETCOMM CALLDIRECT SERIES Industrial HSPA Cellular Router

NetComm

NetComm Commercial

CDR-790 / CDR-990



SUPERIOR 3G UMTS PERFORMANCE

The NetComm CallDirect Series allows you to build wide area networks utilizing the superior speeds supported by 3G UMTS networks.

The NetComm CallDirect Series provides the user a point-to-point or point-to-multipoint communications link in a single compact and resilient unit.

The NetComm CallDirect Series are fully featured cellular network routers 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 NetComm CallDirect Series supports multi-level system monitoring, giving the user peace of mind the device will keep communication lines up and open.

Model Code/ Part Number	Description	APN Code
CDR-790	NetComm CallDirect Series Industrial HSPA Cellular Router	9317773013382
CDR-990	NetComm CallDirect Series Industrial HSPA Cellular Router	9317773013924

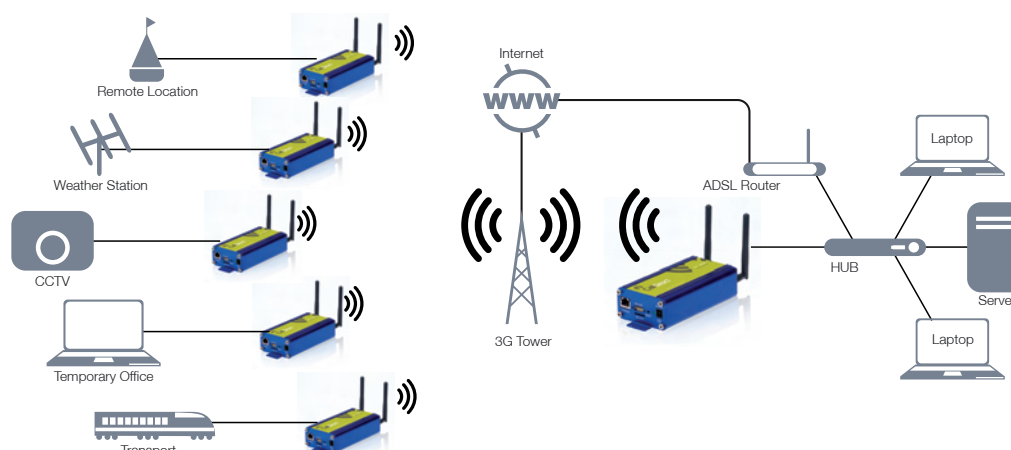
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KEY FEATURES

- Powerful and flexible industrial cellular router platform supporting various networks and services UMTS/HSDPA/HSUPA & GSM/GPRS/EDGE
- Industrial features – rugged enclosure, wide operating temperature range -30 to 70°C, wall mount option and captive DC 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 from any PC
- One 10/100 Base-TX port for Ethernet and serial connections
- One RS232 DB9 DCE port for connection to serial devices
- One USB 2.0 host controller for adding on external devices like storage, GPS receiver or USB serial port converter
- VPN support for establishing a secure connection over public cellular network using IPsec or OpenVPN
- Internal PPTP and IPSEC VPN Client (tested on CISCO and Microsoft RAS)
- Supports SNMP with cellular specific MIB, PPPoE, RIP, VRRP, DDNS, MAC /NET address filtering, Open VPN, DHCP/DHCP relay
- Diagnostic log viewer via browser, remote diagnostics and configuration over the air
- PAD mode via the serial port, system monitoring
- Integrated GPS support via SDK (Software Development Kit)



TECHNICAL SPECIFICATIONS

MODELS	NetComm CDR-790	NetComm CDR-990
CPU	Atmel AT91RM9200 Microcontroller (ARM9 Processor)	
MEMORY	8MB Flash 16MB DRAM	
OPERATING SYSTEM	Embedded Linux	
MAXIMUM DATA SPEED	Downlink 7.2Mbps, Uplink 1.9Mbps (upgradable to 5.76Mbps)	
3G DATA MODEM MODULE/CHIPSET	Sierra Wireless MC8790V/Qualcomm MSM6290	Sierra Wireless MC8792V/Qualcomm MSM6290
FREQUENCY BANDS UMTS/HSDPA/ HSUPA	Tri-Band 850/2100/1900 MHz	Tri-Band 900/2100/1900 MHz
FREQUENCY BANDS GSM/ EDGE/ GPRS	Quad-Band 850/900/1800/1900 MHz	Quad-Band 850/900/1800/1900 MHz
CONNECTIVITY	1x Serial Port RS232 DB-9 female, 1x RJ-45 Port 10/100Base-TX Ethernet, 1x USB 2.0 Host Controller	
SIM CARD READER	Mini SIM Card 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, Diagnostic Log Viewer, Firmware Upgradeable via Browser, System monitoring	
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	9 - 28 VDC	
STANDBY INPUT CURRENT	230mA @ 12VDC	
MAXIMUM INPUT CURRENT	550mA @ 12 VDC	
DIMENSIONS & WEIGHT	140mm (L) x 80mm (W) x 44mm (D) (excludes mounting wings) / 280g	
REGULATORY COMPLIANCY	A-Tick, RoHS	
POWER SUPPLY UNIT	External Power Adapter with Captive Plug, 100-240V AC to 12V DC/1.5A	