



Mobile Router

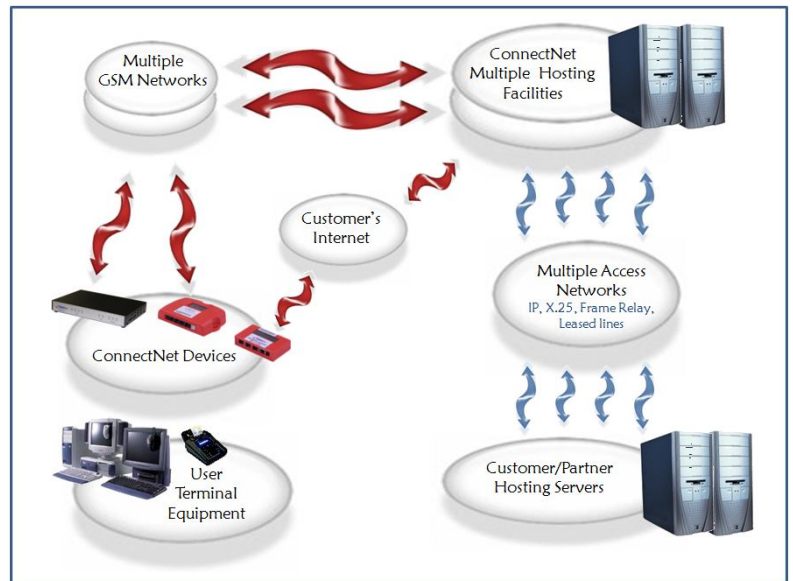
Datasheet



Wireless GSM Data Communication

- Integrated GSM module
- Easy setup
- Dual-SIM redundancy
- Built in VPN client and Firewall
- Quick deployment
- Secure

ConnectNet's Wireless Routers are Cellular Routers that use mobile phone network infrastructure to provide data connections to networked devices anywhere that a cell-phone signal can be received. When fixed lines are not an option due to physical limitations such as mobile or remote sites, cellular communications provide a quick and easy to deploy solution by providing connectivity via GSM, GPRS, EDGE, HSDPA and HSUPA.



Mobile Router EDGE

The ConnectNet Mobile Router has an integrated GSM GPRS / EDGE modem and is ideal for applications with low-bandwidth requirements such as Access Control, ATMs, POS applications or telemetry.



Mobile Router HSUPA

The ConnectNet Broadband Router with an integrated HSDPA/HSUPA modem, is capable of speeds up to 7.2 Mb down and 2 Mb up. Ideal for primary or backup internet connectivity or high bandwidth applications such as video.



Key Features

- Integrated GSM Module
- Dual-SIM with Failover
- Configurable IP Firewall
- VPN Tunnelling
- Masquerading / NAT
- Port Forwarding
- Secure

Product Applications

- Telemetry
- Primary or Backup Corporate Connectivity
- ATM Connectivity
- Remote Access
- Point of Sale
- Internet Access
- Security

Technical Specification

Features

- Device network connectivity via UDP/IP and TCP/IP
- Device management via Web, Telnet, DHCP/TFTP, Serial,
- Windows configuration utility.
- Layer 3 routing
- PPP dial-in and dial-out connections with authentication (CHAP / PAP)
- SNMP v1, v2 (MINB-II) device monitoring
- DHCP Server / Client
- On-demand dialling available
- Configurable IP Firewall
- Masquerading (NAT)
- Port Forwarding
- VPN tunnelling with data encryption (L2TP / PPTP)
- RTC with automatic time synchronization
- NTP Time Server
- Monitoring tools via web interface
- Firmware upgradeable via network (FTP) or serial
- Password Protection

Hardware Specification

- **Mobile:** Integrated Siemens MC75 GSM/GPRS/EDGE Modem
- **Broadband:** Integrated Novatel Wireless EU870D (GSM/GPRS/EDGE/HSDPA/ HSUPA) Modem
- ARM 9 Processor
- 32MB RAM, 8MB Flash
- 10/100 Base-T Ethernet interface with Auto-Sensing and Auto MDI / MDX
- RS-232/RS-422/RS-485 Serial interface
- LED indication for Ethernet, GSM, Serial and Power
- Antenna

Electrical Specification

- **Power Requirement:** 5W (10V-30V DC or 10V - 20V AC) Power Adaptor Available as an option
- Power connector on front for DIN Rail PSU Connection

Software Specification

- **Network Protocols:** TCP/IP, UDP/IP, BootP/DHCP, TFTP, ICMP, ARP, Proxy ARP, Telnet, FTP (client and server), HTTP, SMTP, DNS, PPP, SNMP (v1, v2), Redirector
- **Serial Protocols:** Raw, Redirector, TC500
- **Parity:** None, Even, Odd, Mark, Space
- **Flow control:** None, Hardware (RTS/CTS), Software (XON,XOFF)
- **Data Size:** 5,6,7,8
- **Stop bits:** 1,2
- Web Server
- Password Protection
- Firmware upgrade network or serial
- Multiple concurrent connections

Physical Specification

Mobile Router (EDGE)

- **Connectivity:** Ethernet (10/100 Base-T): RJ45, Serial Port RS232/RS422/RS485: DB9 male
- **Enclosure:** Black anodized aluminium extrusion with stainless steel faceplate.
- **Dimensions:** 131mm x 105mm x 54mm
- **Weight:** 500g
- **Temperature Range Operating:** 0 to 60 degrees Celsius
- **Temperature Range Storage:** -20 to 85 degrees Celsius

Mobile Router (HSUPA)

- **Connectivity:** Ethernet (10/100 Base-T): RJ45, Serial Port RS232/RS422/RS485: DB9 male
- **Enclosure:** Black anodized aluminium extrusion.
- **Dimensions:** 212mm x 145mm x 30mm
- **Weight:** 500g
- **Temperature Range Operating:** 0 to 60 degrees Celsius
- **Temperature Range Storage:** -20 to 85 degrees Celsius

Standards Compliance

- CE
- RoHS
- IEEE 802.2
- IEEE 802.3
- ICASA

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