

DinBox 4G Router

Industrial LTE Router

Approved by Bausch Datacom!

LTE Router

The DinBox LTE Router is a LTE FDD, LTE TDD, EVDO, WCDMA, TD-SCDMA, CDMA1X, GPRS/EDGE router/cellular terminal device providing data communication functionality. The router has an embedded high-powered industrial 32-bits CPU and a real time operating system and both a RS232 or RS485/RS422 serial communication port and Ethernet port, allowing the transparent connection of existing serial and Ethernet devices to a cellular network.

The router can be used in M2M applications, including intelligent transport, industrial automation, telemetry, POS, utilities and others. The product supports VPN client and server (IPsec) and also local and remote firmware upgrades, along with import and export of configuration files. Other features are e.g. an embedded RTC, NTP and even a multiple DDNS provider.



Product Highlights

- LTE Router Cat.4 / Cat.1 (Roadmap)
- DINrail brace
- VPN IPsec
- Ethernet + RS-485 ports
- Metal Housing

Typical Applications

- Meter reading
- POS
- Vending Machines
- RTU Communication
- ATM Systems

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DinBox 4G Router specifications

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Housing

- Housing Iron, IP30 protected
- DINrail brace
- Dimensions 100x97x25 mm
- Weight 320g

Power Supply

- Standard Power DC 12V/1.5A
- Power range DC 5~36V
- Consumption Communication: Working mode:
4G:203~290mA@12VDC 3G:172~305mA@12VDC
2G:113~148mA@12VDC

Communication Engine

- Standard and Band LTE FDD,LTE TDD,EVDO,WCDMA,TD-SCDMA, CDMA1X,GPRS/EDGE
- Bandwidth LTE FDD: Download speed 100Mbps, Upload speed 50Mbps
- LTE TDD: Download speed 61Mbps, Upload speed 18Mbps
- DC-HSPA+: Download speed 42Mbps, Upload speed 5.76Mbps
- TD-HSPA+: Download speed 4.2Mbps, Upload speed 2.2Mbps
- EVDO Rev. A: Download speed 3.1Mbps, Upload speed 1.8Mbps
- TX power <23dBm
- RX sensitivity <-97dBm

Processors

- CPU Industrial 32bits CPU
- FLASH 16MB(Extendable to 64MB)
- DDR2 128MB

Environmental

- Operating Temperature: -35~+75°C(-31~+167°F)
- Storage Temperature: -40~+85°C (-40~+185°F)
- Operating Humidity 95% (unfreezing)

Package

- DinBox LTE Router
- Cellular antenna(s) (Male SMA)
- Network cable
- Console cable
- Power adapter
- DINrail brace
- RS-485 cable
- dc cable (12V)

Certification

- CE

Routing & Security

- Support multiple WAN access methods, including static IP, DHCP, L2TP, PPTP,PPPOE,2.5G/3G/4G
- Support double link backup between Cellular and WAN(PPPOE, ADSL) (optional)
- Support VPN client(PPTP, L2TP, IPSEC and GRE) (only for VPN version)
- Support VPN server(PPTP, L2TP, IPSEC and GRE)(only for VPN version)
- Support multiple DDNS provider service
- Support local and remote firmware upgrade,import and export configure file
- Support NTP, RTC embedded
- Support VLAN, MAC Address clone, PPPOE Server
- Support multiple online trigger ways, including SMS, ring and data. Support link disconnection when timeout
- Support APN/VPDN
- Support DHCP server and client, firewall, NAT, DMZ host , URL block, QOS, traffic statistics, real time link speed statistics etc
- Full protocol support , such as TCP/IP, UDP, ICMP, SMTP(optional), HTTP, POP3(optional), OICQ(optional), TELNET, FTP(optional), SNMP, SSHD, etc
- Schedule Online and Offline

Interfaces & Connectors

- Ethernet 1 10/100 Mbps Ethernet port(RJ45), auto MDI/MDIX, 1.5KV magnetic isolation protection
Support several work modes
Convenient configuration and maintenance
- interface (WEB or CLI)
- Serial 1 RS232(or RS485/RS422) port, 15KV ESD protection
Data bits: 5, 6, 7, 8
Stop bits: 1, 1.5(optional), 2
Parity: none, even, odd, (space, mark)(optional)
Baud rate: 2400~115200 bps
- Indicator "PWR", "SYS", "SIM", "Online", "ETH", "Signal Strength"
- Antenna Cellular: Standard main,deputy SMA Yin double antenna interface, characteristic impedance 50 ohm
- SIM/UIM Standard 3V/1.8V user card interface, 15KV ESD protection
- Power Standard 3-PIN power jack, reverse-voltage and overvoltage protection
- Reset Restore the router to its original factory default settings

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