



Go2-4G Industrial Cellular Router

The Go2-4G Router is an ideal product for industrial applications. With its all metal construction and impressive features, makes this a right choice for IoT and M2M applications. Go2-4G Router provides the user with a reliable mobile 4G broadband internet connection for mission critical connectivity for IoT/M2M remote management.

Go2-4G Routers provide IoT connectivity for many applications, ANPR Cameras, Remote CCTV, Kiosks and any other situation that requires IP connectivity between a device and a host.

Features

- Industrial, robust construction
- Small and easy to install
- Ideal for remote unmanned applications
- Easy to set up and will work out of the box in simple installs i.e. internet access only.
- Supports external antennas so ideal for remote and low signal strength areas.

- Keep alive features utilising PING and SMS
- High Speed N Wireless and 802.11 b/g WiFi access for local connections
- Port forwarding facilities for efficient data transfer and connection to multiple devices as well as remote admin.
- Discrete and robust – does not look like an office product so less likely to be interfered with.
- Wide voltage range for industrial applications
- VPN and security functions of normal business router within a secure corporate network

Technical Specification

4G LTE (Upto 100Mbps) / DC-HSPA+ (Upto 42Mbps) / HSPA+ (Upto 21Mbps) / EDGE / GPRS / GSM

Peak Download Rate - 100 Mbps

Peak Upload Rate - 50 Mbps

Frequency Bands - LTE (800/900/1800/2100/2600 Mhz), WCDMA / 3G / HSPA+ (900/2100 Mhz), EDGE/GPRS/GSM (900/1800/1900).

- Cellular Frequencies
LTE (800/900/1800/2100/2600 Mhz), WCDMA / 3G / HSPA+ (900/2100 Mhz), EDGE/GPRS/ GSM (900/1800/1900).
- Bandwidth
HSPA+ Downlink 21 Mbps / Uplink 5.76 Mbps HSPA Downlink 14.4 Mbps / Uplink 5.76 Mbps HSUPA Downlink 7.2 Mbps / Uplink 5.76 Mbps HSDPA Downlink 7.2 Mbps / Uplink 384k bps WCDMA/UMTS Downlink 3.6 mbps / Uplink 384 kbps.
- EDGE Downlink 236,8 kbps / Uplink 118 kbps GPRS Downlink 85.6 kbps / Uplink 42.8 kbps
These are maximum hardware speeds and are subject to network availability, distance to base station and network load. 3G/4G services are a shared service and the 3G/4G network providers do not guarantee any minimum data throughput.

- **SIM Interface**
1.8V or 3V mini SIM (Normal Size SIM) Antenna Diversity - YES
MIMO - YES
Wi-Fi - WiFi 802.11b/g/n 150Mbps
LAN - 1 X 10/100 LAN port (RJ45 interface)
WAN 1 x 10/100 WAN Port (RJ45 interface) – WAN Failover mode or can be converted to 2nd LAN port.
- **Antenna**
1 x antenna connection for Wi-Fi (50 Ohm SMA female interface) - supplied with Mag Mount and Stick WiFi Antennas
2 x antenna connection for Cellular (GSM MAIN and GSM AUX (50 Ohm SMA female interface) - supplied with Mag Mount and Stick Cellular Antennas.
- **Power**
Power supply DC7V-30V, typical DC9V 1A
Power consumption: 9VDC / 12VDC
Idle: 15mA / 22mA W 1.8 / 2.64
Max: 250mA / 208mA W 3 / 2.49
Average: 105mA / 125mA. W 1.26 / 1.5
- **Dimensions**
Item (L x B x H): 100mm x 60mm x 23mm Including Antenna Connectors, fixing lugs and Terminal Block: 120mm x 70mm x 23mm.
- **Supports**
SMS/Voice control
SMS/Voice features to control the router, checks status, reboot or notify of alarm incidents.
- **Protocol Support**
TCP, UDP, SMTP, POP, ICMP, FTP, PPP, PP- PoE, DHCP, DDNS, DNS, SNMP, NAT, DMZ, QoS, ALG.
- **Security**
Security 64/128-bit WEP (Wired Equivalent Privacy) WPA & WPA2 (Wi-Fi Protected Access).
- **VPN**

- VPN, IPsec, PPTP Client.
- Configuration Interface
Web/Telnet, Local RJ45 and WiFi.
- Physical
Operating Temperature
Storage: 72°F to 153°F (-40°C to 90°C)
Working: 36°F to 126°F (-30°C to 80°C)
Humidity: 95% Maximum (Non-condensing).
- Advanced Firewall Features
Network Address Translation (NAT) Stateful Packet Inspection (SPI) VPN
Pass-through
Media Access Control
CSMA/CA with ACK Certifications RADIUS Client Interface
Dynamic Route Feature (BGP, OSPF).
- LED Indicators
LAN, WAN, WIFI, CELL, Signal, VPN, SYS – Activity.
- Software
Device Management
WEB interface (Internet Explorer v6 or Later; Mozilla Firefox v1.5 or Later, or
other Java-enabled Browsers, Chrome, Opera, Safari, IE6) SNMP
SYSLOG
Minimum System requirements computer with: Windows 7, Vista, Windows
XP SP2, Windows 2000 SP4, or Mac OS® X (v10.4/v10.3), Linux Internet
Explorer 6 or Mozilla Firefox
Network Interface Card / WiFi.