



# intelimax+4G

Intelimax+4G | M2M 4G CAT1 Serial Modem | MA-2020-4G

## An intelligent device packed with features

The Intelimax+4G is a 4G serial modem designed in Australia for remote monitoring applications, as well as data collection and controlling the flow of data between devices and control equipment.

The Intelimax+4G is engineered especially to withstand Australia's vast climate and environmental conditions. Employing an ARM processor, with batter-backed RTC, the Intelimax+4G has a full feature set. This includes extensive event recording, connection management, fault recovery, security features, and remote firmware upgradability. All of which assist in creating a highly reliable communications gateway. Enhanced capabilities also include remote AT Commands, SNMPv3, SSH, Telnet, remote management, on-board IP stack and FTP.

This multi-purpose device mounts perfectly in control boxes and alongside other equipment. The Intelimax+4G is suitable for 4G LTE networks and provides a comprehensive range of features that will suit your telemetry requirements.

### Key Features

- FDD-LTE CAT1, supports Band 28
- RS232/RS485 Interface (RJ45 Connector)
- Supports Packet and Circuit Data, 2 way SMS
- Supports Modem Emulation & AT over IP
- Inbuilt FTP client & PPP server
- Remote configurable and FOTA
- Wide input voltage range (7.5-48VDC)
- Windows GUI for fast configuration and updates



Water Monitoring



Fleet Management



Remote Monitoring



Weather Station



Security Systems



Traffic Signals



4G Comms Device



Data Logging



# Frequency Bands

FDD-LTE Band: 700MHz (B28), 850MHz (B5), 900MHz (B8)\*, 1800MHz (B3), 2100MHz (B1)\*, 2600MHz (B7)\*

UMTS Band: 850MHz (B5), 900MHz (B8)\*, 2100MHz (B1)

\*Bands supported may vary on models

## General Features

- RS232 or RS485 (RJ45) (software configurable)
- FDD-LTE CAT1 / HSPA+ Module
- External SMA Female antenna
- USB 2.0 connection
- Packet switched data
- CSD Modem Emulation Function
- Circuit Switch Data (Network Dependent)
- 2 way SMS Supports MaXconnect device management portal
- Remote SMS diagnostics
- Remote SSH and Telnet management
- Remote AT command configurable
- Remote / local user interface
- Extended AT command set
- Supports DDNS
- Supports TCP/IP, UDP/IP Stack
- Supports Firmware over the AIR (FOTA)
- Inbuilt FTP Client
- Auto recovery including detect and auto redial
- Inbuilt carrier detection watchdog
- Inbuilt periodic reset
- Inbuilt WAN Scheduler
- Diagnostic monitoring (Syslog)
- Backup configuration file (.dat)
- External DC power
- Wide ranging input power

## Security Features

- Secure AT commands
- SSH Supported

## Environmental Specifications

- Extreme Operation Temperature -40 to 85°C
- Storage Temperature -40 to 85°C
- Humidity: 5% ~ 95%

## Connection

- RJ45 Connector for Serial communications (RS232) and Pin 1 for power
- Mini USB connector
- SIM card
- Antenna Connector SMA Female
- Reset Button

## Data

- LTE Cat1 Max. UL 5.2 Mbps / DL 10.2 Mbps
- HSPA+: Max. UL 5.76 Mbps / DL 7.2 Mbps

## LED

- Power / RSSI
- Data

## Power

- 7.5/48V DC (Reverse polarity protection)
- Active Mode - 150mA @ 12V
- Dormant Mode - 50mA @ 12V
- Sleep Mode - 30mA @ 12V

## Operating Systems

- Microsoft Windows OS

## Dimensions

- 71mm x 55mm x 26mm (without side brackets and antenna)

## Mounting

- Detachable side mounting brackets