



# 3G Intelligent Serial Modem



## Perfect for

- A modern day dial up modem replacement
- Custom configurations using the extended set of AT commands
- Remote locations with no access to a power supply
- Remote monitoring, control, reporting and management of machines
- Serial data connectivity for communications across many machines such as metres or POS terminals

## KEY FEATURES

- ⌚ Small-sized and rugged industrial-grade modem for wireless data communication
- ⌚ Provides reliable RS232 serial data connectivity for various M2M applications
- ⌚ Supports standard and extended AT command set
- ⌚ Supports various networks and service types UMTS/HSDPA/HSUPA & GSM/GPRS/EDGE
- ⌚ Embedded Internet and security protocol stacks
- ⌚ Wide input voltage range 8-56V DC suitable for diverse environments and applications
- ⌚ RS232 serial data connection and power input via RJ45 port
- ⌚ USB 2.0 console port for serial connection from a Windows computer
- ⌚ DIN rail and wall mount option with removable mounting bracket
- ⌚ SIM card reader with locking tray
- ⌚ Wide operating temperature range -20 to 55°C





## SPECIFICATIONS

### UMTS bands

- NTC-4908 - Tri-band HSDPA / HSUPA / UMTS 850/1900/2100MHz
- NTC-4520 - Quad-band HSDPA / HSUPA / UMTS 850/900/1900/2100MHz

### GSM bands

- Quad-band EDGE/GPRS/GSM 850/900/1800/1900MHz

### Maximum Data Throughput / Serial RS232 interface

- Auto baud rate - 115,200 / 57,600 / 38,400 / 19,200 / 9,600 / 4,800 / 2,400 bps

### Connectivity

- 1x RJ-45 port (incl. DB-9 adapter) for serial RS-232 data connections
- 1x Mini USB 2.0 console port for serial connections (Windows driver available)

### SIM Card Reader

- Locking tray, supports standard USIM

### Antenna connector

- 1x SMA

### LED Indicators

- Power | 3G Status

### Operating Temperature

- -20 ~ 55 °C

### Power input

- 8 ~ 56 V DC, via RJ-45 port

### Dimensions & Weight

- 74 x 57 x 24 mm / 84g (w/o mounting bracket)

### Regulatory Compliance

- A-tick, RoHS

### Standard Package Content

- NTC-4000 series 3G Intelligent Serial Modem

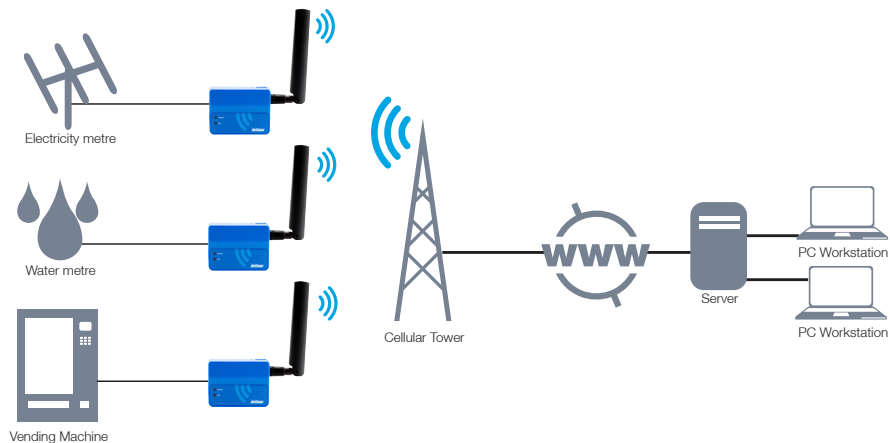
### Mounting bracket

- RJ-45 to DB9 cable for serial RS232 connectivity and DC power input
- Pentaband 1dBi antenna with SMA connection and isolation rubber boot.

### Optional Accessories

AC/DC Power Adapter, 2.1mm centre positive jack, 100~240VAC:12VDC /1.5A

# 3G Intelligent Serial Modem



The NTC-4000 Series is a reliable solution for cost effective deployment in any data telemetry environment. Designed for reliable performance and universal installation it provides 3G data connectivity for M2M applications enabling remote monitoring, control, management and reporting of industrial and commercial equipment.

The small and rugged form factor is ideal for applications such as metering, rail, road signs, security, transport and vending machines. It can also be used in SCADA (Supervisory Control and Data Acquisition) scenarios to monitor, control or collect data from remote devices such as farm machinery, water monitoring devices and wind farms.

A serial connection on one end and a 3G connection on the other allows the devices to simply take the serial data and using the embedded IP stack, send it over 3G to any other IP network enabled device. It supports an extended AT command set that allows quick programming and configuration of the device.

The lockable SIM tray along with the rugged nature of the device means you can be assured that your device is working reliably regardless of the location conditions.

Model Code/ Part Number	Technology / Bands
NTC-4908	Tri-band HSPA (850, 1900, 2100 MHz)
NTC-4520	Quad-band HSPA+ (850, 900, 1900, 2100 MHz)



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