



Next G Data Modem (NG20/30 Series)

- *Never travel to site to collect your data again, save time & money.*
- *Immediate access to live weather conditions*
- *Receive SMS alerts.*
- *Data on demand via SMS.*
- *Access your weather data from multiple points, anywhere in the world.*

The NG20/35 series modems can be connected to our Weather Maestro, WeatherMaster and Logging Rain Gauge weather stations.

With this modem connected to your weather station within the Telstra Next-G mobile coverage area, you can collect your weather data from almost anywhere in the world, using a PC with Line Modem (dial-up) connection.

In conjunction with the Weather Maestro series, you can now be alerted via SMS when your preset weather parameters are met.

Remote downloading makes regular updates of your weather data easy and cost effective, compared with the time and cost of site visits.

This option is also ideal for portable systems or systems needing regular remote data collection.

Equipment costs are much lower than for radio or satellite links.

The NG20 (external model) is a complete field-ready package and is for our WeatherMaster and Logging Rain Gauge weather stations. It includes a separate sealed housing and solar power system.

The NG35 series is designed to fit inside our Weather Maestro IP66 PVC housing. The system battery powers the modem.



NG35 in a Weather Maestro System with directional high gain antenna

When used in conjunction with the Weather Maestro series weather stations, The optional SMS alerts firmware can be added, while the SMS data on demand services are included as standard!

Access to the modem can be limited to 12 hours per day (7am-7pm default) to minimise power consumption if required. Other access times, including 24 hour access, can also be accommodated, which is ideal for SMS Alert requirements.

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Version 110302



Specifications

- Next G HSDPA 3G modem
- Receive Diversity
- RX Equalisation
- Extended AT Command Set
- Requires a SIM card, with Data Number
- Frequency Band: 850 MHz
- Operating mode: 2-way Circuit Switched data (CSD)
- Range: Next G Coverage Area *Please note the range can be extended in fringe areas in some cases by using a directional, high gain antenna*
- Communications Interface: RS232 serial interface

Housing (for NG20)

- High impact PVC sealed IP66 with sealed connectors.
- Powder coated Aluminium sunshade and mounting bracket.

Operating Conditions

- Operating Temperature: -20°C to +50°C
- Ambient Operating Humidity: 95% (at 50°C) relative humidity (non-condensing)
- Storage Temperature: -40°C ~ +70°C

Dimensions

- NG20 Sealed housing: 230 x 140 x 100mm
- Modem Size: 110 x 70 x 21mm
- Modem Weight: 150g without antenna

Power Consumption

- Maximum: 650mA @ 9V
- Idle: 25mA @ 9V
- Solar Panel (for NG20): 10 watts, 12V

Shipping Weight

- NG20: 7 kg
- NG35: 3 kg

Configurations

NG20

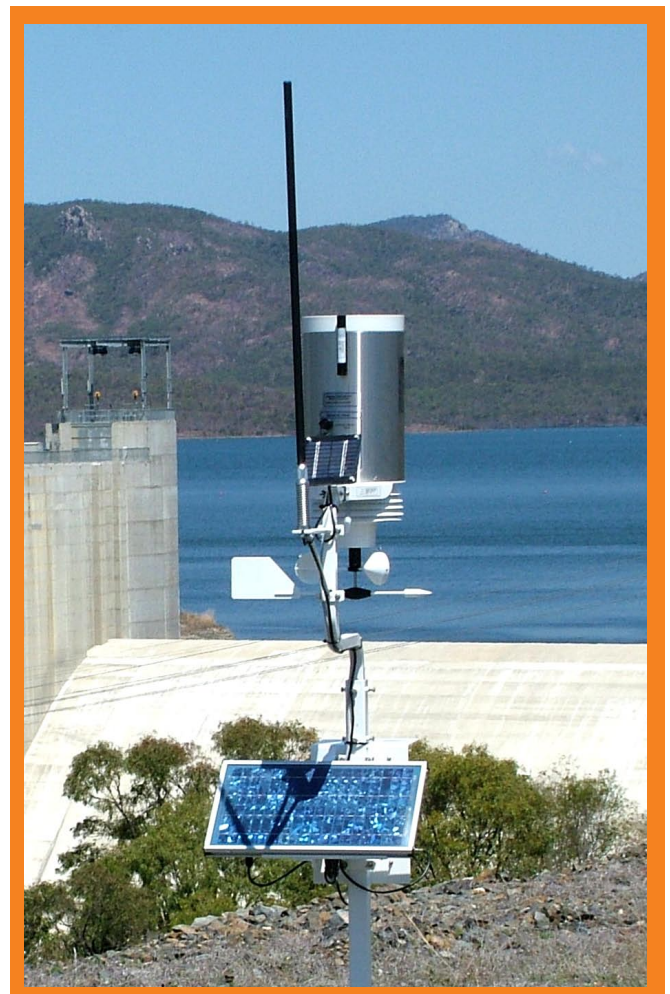
- For WeatherMaster 2000 & Logging Rain Gauge series, with separate sealed housing, battery, solar panel and regulator.

NG35

- For Weather Maestro Weather Stations.

Antenna Options

- Standard: 5 dB omnidirectional dipole
- Directional Options: 6 dB to 18dB Yagi



NG20 with a WeatherMaster 2000 at a Water Storage Facility

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