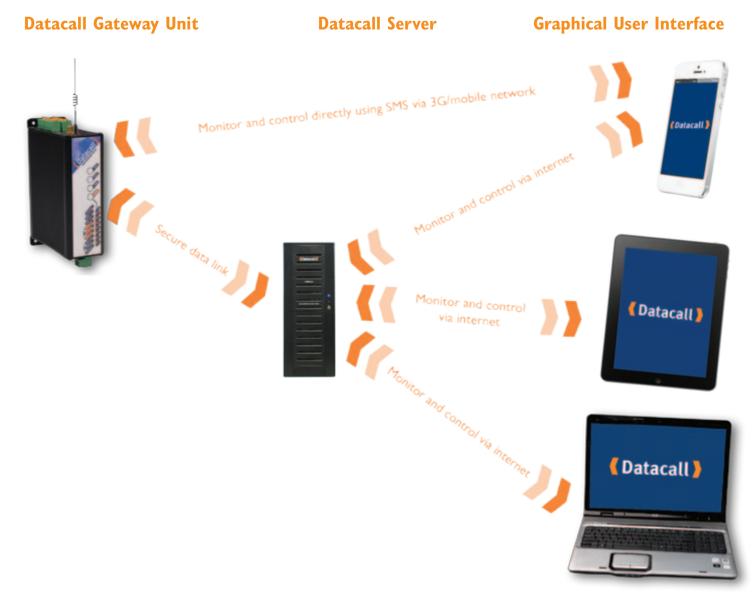


## DATACALL GATEWAY RTU







The **Datacall Telemetry System** offers a cost effective means to monitor and control remote assets using mobile networks and the internet. This powerful and flexible product is easy to set up and simple to use.

**Datacall** is a fully integrated end to end solution beginning with the **Datacall Gateway** installed at a remote site. This unit performs data logging, monitoring and control functions on any GSM/3G mobile network.

A mobile can receive alerts and respond directly to the Datacall Gateway via SMS.

Data is simultaneously transmitted to the **Datacall Server** which manages your systems.

The customer can monitor, control and analyse the data from the Datacall Gateway Unit through the **Graphical User Interface** (GUI) on the web site.

Datacall is a fully integrated end to end solution.

**Datacall** Telemetry Pty Ltd

Agriculture

Aquaculture

Horticulture

Flow analysis

Soil moisture

Temperature

**Fruit ripeness** 

Fire detection

**GPS** positioning

**Frost monitoring** 

Localised weather

Measure pH levels

Pod feeder control

**Emergency** services

Water Temperature

Salinity measurement

Pivot irrigation system Industrial gas detection

Personal secur

The Datacall Telemetry System can be integrated with virtually any remote system, and the custom designed interface is flexible to change with the application. The award winning Datacall Gateway has advanced features to ensure that it will alert you to tampering, malfunction and low power.

The Datacall Telemetry System ensures you that you are aware of what is happening at the remote site, and can know exactly where your Datacall device is with the unique GPS tracking code embedded into the hardware.

## Integrated

Datacall Gateway combines data collection, monitoring and positioning in a single box solution and communicates alerts and control functions through SMS or mobile internet. In the Datacall package, you get all you need to control your remote site.

## **Countless Devices**

Integrate Datacall Gateway with infinite types of sensors through the 1-Wire<sup>™</sup> bus. With sensor devices operating on the 1-Wire<sup>™</sup> bus, your monitoring applications are endless. Our 1-Wire<sup>™</sup> bus connection allows multiple sensor devices to be connected to the Gateway on one input.

With 8 digital and 4 analogue inputs, 4 digital outputs and an integrated GPS receiver, many 2 wire devices can also be connected onto the Gateway for even more applications. This allows you to fully integrate your remote site so that you have as much information available about its status.

## **Flexible and Powerful**

Datacall Gateway enables you to control and monitor your assets through your mobile network. With onboard computer processing power and memory to save your data, Datacall Gateway is always working of you. With an internal self check mechanism, the system is always monitoring its health and integrity and can reset itself if required.

The Datacall Telemetry System: award winning, integrated, leading edge technology, 3G mobile compatible - providing you all you need to monitor and control into the future.

### For further information visit: www.datacall.net.au



# Datacall

Datacall supports our clients with a range of service and support packages that can suit your needs. They range from **Standard** internet service and support up to our **Deluxe** package providing you with advanced graphical and data tools via the web based graphical user interface, extended warranty and quick response emergency support.

## **Datacall Gateway RTU Specifications**

#### Internal

Processor: Volatile Memory: Non-Volatile Memory: Operating System:

#### Communications

Wireless:

#### Wired: Protocols: Antenna Connectors: Primary: Secondary:

#### Inputs and Outputs

Digital Inputs: Digital Outputs: Analogue Inputs: Serial Port: Other: Location:

#### Power

Power Supply: Power Consumption: Fuse:

Dimensions: Mounting: Weight: 32-bit 200Mhz ARM9 32MB SDRAM 128MB Flash Linux 2.6

850/1900/2100 MHz 3G - UMTS/HSDPA (NextG™Compatible) 850/900/1800/1900 MHz 2G - GSM/GPRS/EDGE 100Mbps Ethernet SMS,TCP/IP, PPP, HTTP, M2MXML & MODBUS

SMA for 3G/GSM Receive diversity 3G 850/2100 or GPS Antenna

8 (4 with pulse counter) 4 transistor outputs (100mA max) 4 x 10-bit (0-5 V or 4-20 mA) RS-232 1-Wire™Bus, USB Host integrated GPS receiver

8-28V DC 100mA average (Imax 2A) M205 5A Fast Acting

150 x 105 x 40 mm Panel mount or DIN rail 500g



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