

## *Product Brief*

### **GSM Telemetry and Data Management Unit**

#### **Features**

- Collects and collates data from up to 20 SiteReacher Remote Gateway units.
- Simple operation using web browser.
- No special software required.
- RJ45 Ethernet connection to single computer or network.
- No internet connection required.
- Can be connected to internet for remote data access over the web.
- SD Card Interface for storage of csv files in FAT16 format.
- Allows remote control and monitoring of remote stations using mouse button clicks.
- Compact size and fully solid state construction allows location in fixed or mobile environments.
- Plug pack powered (6 to 9VDC).
- Internal GSM Modem and SIM card socket with international compliance.
- No ongoing subscription costs other than GSM network charges.
- Complete integrated low cost solution.

#### **Applications**

- Automated data gathering from sensors and serial devices at remote sites.
- Environmental Sensor networks.
- Remote control of pump, valve and sampler systems.

#### **Product Description**

The Model 280 Base Station integrates a high performance network processor, embedded web server and SD card interface and embedded GSM Modem.

Data received from one or more SiteReacher Remote Gateways is collated into separate files for data, alarms and system records. This data is stored in csv format on the SD card and can be viewed in graphic and tabular format. The data can be easily dragged and dropped into spreadsheets and other application software.

If required, the SD card can be replaced and the data can be read and copied from the card using a standard card reader.

The Base Station includes embedded web pages that provide a summary overview of all stations, configuration and control pages and graphical display of trend data.

The SiteReacher system provides users with the ability to automatically gather and store remote data without the need for an internet connection or having to subscribe to a data collection service provider.

The Base Station can be connected to an internet router so that the Base Station web pages can be accessed from other locations through the internet.

**Specifications**

| Specification               | Min   | Typical | Max  | Unit  |
|-----------------------------|---|---------|------|-------|
| Storage temperature range   | 0   | -       | 70   | °C    |
| Operating temperature range | 5   | -       | 55   | °C    |
| Ambient Humidity            | 20  | -       | 70   | %RH   |
| Vibration (10 to 60 Hertz)  | -   | -       | 0.02 | G     |
| DC Power Input              | 6   | 9       | 10   | Volts |
| Shock                       | Not permissible   |         |      |       |
| Dimensions - overall        | 119 (w) x 142 (h) x 46 (d) mm   |         |      |       |
| Material and Finish         | Anodised Aluminium  |         |      |       |
| EMC Compliance              | Ctick, CE   |         |      |       |
| Connectors                  | RJ45 Ethernet<br>DC Power Jack 2.5mm<br>DB9 Male (service port)<br>SMA female (GSM Antenna) |         |      |       |
| Mounting                    | Wall mountable using 4 x M4 screws  |         |      |       |
| Weight (approx.)            | 0.5 kilograms   |         |      |       |

**General Arrangement**

