

CellPoint

Data Logging & Monitoring

THE PRODUCT

The **CellPoint™-AS** device, is part of Miltel's series of cellular **CellPoint™** devices for event monitoring and data logging. The **AS** device is designed for dual purpose:

- Data logging
- Event monitoring

The analog sensor output is logged by the CellPoint device once an hour (programmable up to 15-minute interval). The sensor data is stored in the device and once a day (or at other intervals) the device transfers the sensor reading log to the web server for analysis and archiving. Event monitoring is based on 5-minute sampling of the sensor to detect extreme conditions (high or low).

The device provides two pre-defined threshold alerts for over-, and under-pressure events. The events are sent as notifications to the user via the DataSense™ web portal. Once an event is detected, the device dynamically samples the sensor every minute, and if the condition prevails for more than 2 minutes, the device sends an alarm message to the DataSense™ web portal.

The device is designed to meet extreme outdoor ambient conditions and may be deployed also indoors and in underground applications.

APPLICATION

The **CellPoint™-AS** device offers a flexible datalogging and monitoring solution for a wide variety of use cases such as fluid pressure monitoring, temperature data logging, level sensors, as well as other analog sensors. The **CellPoint™-AS** device provides the power supply that feeds the sensor. Miltel is capable of providing tailored solutions for a diverse variety of analog sensors. Please contact us with your specific needs.

Analog Sensor Monitoring

Model: CellPoint™-AS



FEATURES

- Supports wide range of analog sensors
- Optional support of two analog sensors
- User defined alerts (dual High and dual Low)
- Long battery life of 3-5 years (replaceable battery)
- IP68 rating
- Integrated (embedded) antenna
- Optional external antenna for improved coverage
- Easy to configure via technician Android application
- DataSense™ web portal provides the user with various reports

| Parameter | Specification |
|---|--|
| Dimensions | |
| L 254mm x H 75mm x W 85mm (10" x 3" 3.5") | |
| Technical | |
| Device Operating voltage | 3.65 VDC - internal battery (replaceable) |
| Communications Technology | LTE 4G (CAT-M / NB-IoT / 2G) |
| Antenna | Printed internal antenna (embedded) External antenna optional (for improved coverage) |
| Environmental | |
| IP Rating | IP68 |
| Storage temperature range | -40°C to +60°C (-40°F to +140°F) |
| Operating temperature range | -30°C to +60°C (-22°F to +140°F) |
| Sensor Input | |
| 0.5 - 2.5 Volt (default model) | |
| 0 - 10 Volt (optional) | |
| 4 - 20 mA (optional) | |