



# ORB-X1

The Senquip ORB-X1 connects to standard industrial sensors and allows remotely measured data to be delivered to users anywhere in the world.

## SENQUIP ORB-X1

The **ORB-X1** has sensors to allow the measurement of voltage, current, position, speed, tilt, temperature, pressure, frequency, and serial data. Users can connect almost any industrial sensor to the **ORB-X1**.

Data measured by the **ORB-X1** is transmitted via WiFi or GSM and can be delivered to the Senquip Portal or to your own server.

Flexible measurement timing makes the **ORB-X1** a low power device that can be operated off replaceable batteries, solar or permanent power.

The **SENQUIP ORB-X1** has been designed for use in harsh outdoor environments.

## USED BY

- MINING** - Process optimisation; environmental monitoring
- INDUSTRY** - Process control and monitoring
- WATER SERVICES** - Level and quality control
- FARMING** - Soil and water management
- AQUAPONICS** - Water condition monitoring
- SMART CITIES** - Improving the lives of residents
- ENVIRONMENT** - Monitoring air-quality pollution
- EMERGENCY SERVICES** - Monitoring of environmental factors to provide early warnings for natural disasters



SENSOR CONNECTIVITY MADE EASY

# ORB-X1



**WIFI + GSM**  
CAT-M1 GSM ensures best possible coverage and least possible power. WiFi connectivity allows for connection to local networks



**GPS + GLONASS**  
Accurate position and speed



**MULTI PROTOCOL**  
SMS, UDP, MQTT, TCP and more



**SECURE DATA**  
Embedded certificates and secure communications



**NOTIFICATIONS**  
Configurable levels for each peripheral



**SIMPLE SETUP**  
Use any phone, tablet or laptop with the integrated webserver



**MULTI SENSORS**  
Measure voltage, current, position, speed, tilt, temperature, pressure, frequency, serial data and more



**ADAPTABLE**  
Users write their own scripts



**VERSATILE MOUNTING**  
Ships with pole and wall mount options



**BUILT TOUGH**  
Designed for use in harsh industrial environments



**VERSATILE POWER**  
10V to 72V power supply, AA batteries or solar



**CLOUD SERVICES**  
Access to the Senquip Portal for viewing of data, storage, remote setup and firmware upgrades

