ARC Agent is a software application that runs on a SkyWave device transforming it into a low-cost Remote Terminal Unit (RTU) with integrated satellite and/or cellular communications. The application is capable of cost-effectively monitoring and controlling remote industrial assets used in oil and gas, mining and utilities applications. SkyWave's device-level applications are designed to simplify the integration of remote asset management solutions and accelerate time to market.

**What It Does**

ARC Agent collects data from field equipment, analyzes it locally and sends information back to an enterprise application in the form of periodic reports and/or event-based alerts using the IsatData Pro satellite network or the local cellular network.

The functionality of ARC Agent extends beyond basic equipment monitoring. The application enables users to control simple equipment remotely and track the location and movement of portable equipment.

**SAMPLE APPLICATIONS**

- **Monitor fixed equipment cost-effectively:** Ensure the proper operation of compressors, pumps and other equipment to minimize downtime and enable preventative maintenance.

- **Reduce site visits through process automation:** Collect flow meter and tank level readings without sending workers to the field.

- **Remotely control equipment for enhanced productivity:** Operate equipment remotely, open and close valves without manual intervention.

- **Gain full visibility of portable equipment:** Know the exact location of portable equipment, anytime and anywhere.
How It Works

ARC Agent can be installed on a SkyWave device and configured to monitor up to 18 digital and analog input/output points in any combination. The number of supported ports is dependent on the host hardware. ARC Agent can also expand to collect data from complex, external sensors that are connected to a SkyWave device through the serial or 1-Wire® communication ports.

Each port is assigned a specific action through the application. Customers can set alarms when thresholds are crossed, enable pulse counting and runtime reports, and configure digital output ports to perform actions under specific conditions, among others.

ARC Agent Features

- **Up to 18 digital or analog input/output points** configurable in any combination
- **Configurable alert thresholds** for each input point
- **Multi-level analog thresholds** for intermediate alerts (i.e. different tank levels)
- **Scheduled heartbeat reports** indicate when everything is operating normally
- **Equipment run-time accumulator** reports total time at lower cost than multiple on/off alerts
- **Pulse accumulator** counts sensor transitions of 1 Hz or less for simple flow monitoring
- **Movement alerts** use built-in GPS to send location if an asset moves unexpectedly
- **Virtual ports** provide expandability for up to four custom sensors
- **Low power** support for applications that need to operate autonomously
- **Remote configuration tools** enable flexibility to adapt different types of sensors for each asset

How to Buy

Device-level applications are available by subscription. Monthly subscription fees are applied for each activated device.

To find out more or to connect with one of SkyWave’s account managers, contact us at sales@skywave.com.

Why SkyWave?

SkyWave, an ORBCOMM Company, is a global provider of satellite, cellular and satellite-cellular devices and services for the Machine-to-Machine (M2M) market. SkyWave’s products provide dependable communication, tracking, monitoring and remote management of fixed and mobile assets. Over the past 17 years, SkyWave has designed, manufactured and shipped more than 750,000 Inmarsat-based satellite terminals to customers globally in the transportation, maritime, oil and gas, utilities and government sectors.

Five Reasons to Choose SkyWave Device-Level Applications

1. **ACCELERATE TIME TO MARKET**
   SkyWave applications can significantly reduce solution delivery timeframes, allowing partners to reach more customers and generate new revenues, faster.

2. **REDUCE DEVELOPMENT COSTS**
   Save on upfront and recurring costs associated with programming, testing and supporting IDP terminals for high-value applications.

3. **VALUABLE TOOLS AND UTILITIES**
   Supporting tools and utilities make it easier to integrate SkyWave applications into the end solution.

4. **FREE SOFTWARE UPGRADES**
   Get access to new features and product enhancements at no additional cost.

5. **FREE TECHNICAL SUPPORT**
   Let our team of experts work with you to successfully bring your solution to market at no additional cost.

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