



# MiChroSat 2402 SCADA/Telemetry Solutions

Know the limits **Work beyond them™**

## Bridge the cellular coverage gap with an Iridium data solution.

If you are currently working with dial-up data applications through cellular or terrestrial networks and are impacted by holes in coverage, Iridium Circuit Switched Data (CSD) is an ideal solution for you. Iridium CSD emulates the service provided by your dial-up data application but offers coverage anywhere on the planet.

Roadpost is pairing the Iridium CSD network with satellite modems from Wireless Innovation to enable remote communications. Our data solutions provide complete global connectivity and a secure independent communications network that removes the reliance on existing terrestrial infrastructure.

## MiChroSat 2402

This durable low data rate modem provides asynchronous data connectivity at 2.4 Kbps and supports the full ' Hayes' AT command set so it's easily interfaced into existing dial-up data applications that require outbound dialing or auto-answer mode for incoming calls. Configurable power management enables the MiChroSat 2402 to power on and off at fixed intervals or detect when data is ready to be transmitted, it stays on sleep mode to conserve power but automatically wakes up when required.



It can also perform a complete power cycle at fixed intervals, clearing remote terminal unit (RTU) modem communications issues and avoiding a potentially costly site visit to reinitialize the modem.

Fully isolated RS-232 connections between the RTU and modem ensure clean communications and that variations in signal levels have no impact on effective communications. In addition to providing data connectivity via direct internet, dial-up or modem to modem connections, the MiChroSat 2402 can also provide data acquisition, alarm reporting and discrete I/O functionality; allowing it to be operated in many different scenarios that are typical of remote monitoring environments.

### Features and Technical Specifications

Iridium Capabilities
Voice
Dial up data 2.4 Kbps
MiChroSat 2402 Features
Intelligent interface board
Power management
Automatic configuration
RS232 isolation
Power
Input voltage 5 to 30V DC
Consumption
Sleep: 0.36 W
Idle: 1.5 W
Transmit: 12 W (Peak) 4 W (Average)

Mechanical Dimensions	Length	Width	Height
Enclosure	280mm	170mm	90mm
Weight	460g		
Environmental			
Operating temperature range	-30°C - +70 °C		
Storage temperature range	-40°C - +85 °C		
Relative humidity	100% IP65 rated		
Interface Types			
RS 232, power and voice (three IP68 MIL-SPEC Connectors)			
TNC female connector (antenna interface)			
Certifications			
FCC & CE			

### Solution Partners

