

MiChroSat 2403

Low rate data communications designed for use with Campbell Loggers.

An out of the box ready solution that offers seamless RTU/ PLC connectivity. Designed for use with Campbell Loggers



Overview

Wireless Innovations' MiChroSat 2403 provides a simple and seamless integration with most Campbell Scientific CR Series data loggers via the serial interface on the logger. MiChroSat 2403 is uniquely optimized for connection to CR Series data loggers through a number of key features. MiChroSat 2403 offers a wide band dc power rating (9-30Vdc) allowing it to operate from the same battery and charger systems as the logger without concern for charging voltages.

MiChroSat 2403 has an intelligent sleep mode that may be toggled via a DTR signal line directly from the logger if required, allowing the data logger to wake and control the unit.

MiChroSat 2403 can be programmed to operate in "Time Windows", allowing the device to go into a quiescent state and only wake and receive calls at pre-set times, so dramatically improving power budgets.

Out of the Box ready

Unlike many other satellite modem solutions, MiChroSat 2403 contains an intelligent controller board that automatically initializes the modem with the correct serial rates and AT initialization string whilst also verifying network initialization before transparently handing communications over to the logger.

This means that no specific logger configuration is required to control or interface to MiChroSat 2403.

Wireless Innovation also provides a hosted Loggernet solution to allow users to operate optimal Iridium to Iridium calls with minimal Headend architecture.

Details

Manufacturer:	• Wireless Innovation
Network:	• Iridium
Device Type:	• Modem
Markets:	• SCADA/ Telemetry

Technical Specs

Modem Power Consumption:

- Input Voltage: +9 to +30 DC (12 or 24V DC Nominal)
 - Power Consumption: @ + 12V
 - Sleep: 15mA
 - Idle: 150mA (Approx)
 - Transmit: 900mA (Average)
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Environmental Conditions:

- Operating Temperature: From -30°C to +70°C
- Storage Temperature: -40°C to +85°C
- Relative Humidity: 95% IP44 rated

Interface Specifications:

- Application interface
 - RS-232: DB9 Male Connector
 - Voice Port: RJ-45 Female Connector
 - Power: Amphenol C091-31G003-100-2 Connector
 - RF Interface
 - 1 TNC Female Connector
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Certification:

- FCC, Industry Canada & CE.
 - RoHS & WEEE
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Physical Specification:

- Weight: 995g (Approx)
- Dimensions: 225mm (l) x 170mm (w) x 55mm (h)