SirettaLINK Management Portal
LTE Cat M / NB IoT, LTE Cat 1 RS232 Serial Gateway Management

General Description

The SirettaLINK Management Portal provides the necessary platform to set up cellular connectivity between a SirettaLINK SL500 Modem and a central server. It is used to configure, monitor and control all SL500 modems deployed by a user – it is not designed as the server for end user application data. The SL500 modem uses an embedded STM32F405 Arm® Cortex® M4 core processor to implement this functionality. This runs an application that connects the SL500 modem to the SirettaLINK Management Portal using an encrypted link, where it obtains all the configuration information required for ongoing use and posts operational data.

This application performs the following tasks:

» Periodically pushes operational data of the SL500 modem to the SirettaLINK Management Portal

» Pulls configuration data from the SirettaLINK Management Portal

» Maintains the Internet connectivity of the SL500 modem, using minimum data techniques

SirettaLINK is a system that is used to create and manage a data path over a cellular network between a remote application (using a SirettaLINK modem) and a server (or a second SirettaLINK modem). Setup and management of SirettaLINK is achieved using a modern cloud-based management portal which makes deployment and remote management a simple task. It is a requirement that one end of the link has a public IP address. This is usually the server, but it could be a SirettaLINK modem with a fixed IP address SIM card.

The SirettaLINK cloud-based management portal provides the user with an easy to use web-based interface accessible on any device with a web browser. This allows the user to:

» Configure server address, ports, time out settings etc for the server to which the SirettaLINK is to connect, and the serial port connection to the attached hardware.

» See an overview of data usage & signal strength history, network used, location and many more operational parameters.

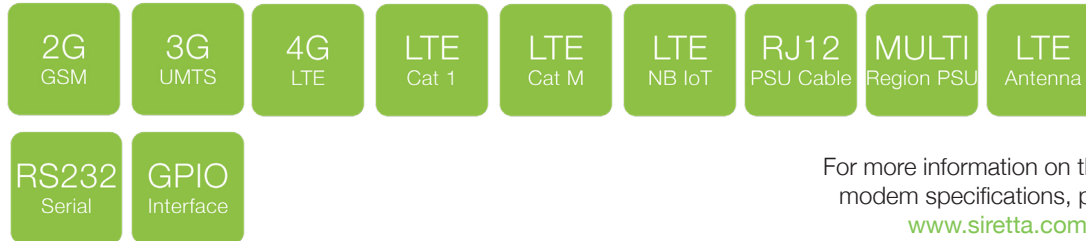» Auditing tools allow the tracking of configuration changes made.

Access to the SirettaLINK Management Portal requires registration and setting up an account.

Siretta
Enabling Industrial IoT

SirettaLINK Management Portal
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Features

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2G GSM	**3G** UMTS	**4G** LTE	**LTE** Cat 1	**LTE** Cat M	**LTE** NB IoT	**RJ12** PSU Cable	**MULTI** Region PSU	**LTE** Antenna
RS232 Serial	**GPIO** Interface							

For more information on the indiviual modem specifications, please visit:
www.siretta.com/sirettalink

Features

» No AT Command knowledge needed or used

» Simple setup using GUI based tools

» Cloud based updates of the SL500 modem configuration and software

» Cloud based monitoring of deployed SL500 modems, allows you to track:
  - Uptime history
  - Signal strength history
  - Data usage history
  - Network assigned IP address
  - Position
  - Connection technology (2G/3G/4G)

» Cloud based network tariff recommendations based on historical usage

» Cloud based audit history of configuration changes

» Cloud based configuration profiles make cloning of settings for mass deployment or post deployment changes easy

» Ability to track 3 General Purpose input pins on the SL500 Modems

» API for integration of the SirettaLINK Management Portal with third party applications

» Powerful, concise views in dashboard and list formats with tabbed headings and hover summaries

Featured Applications

» Car Parking Payment
» Retail Kiosks
» Security / Fire Alarm Systems
» Gaming Machines
» Healthcare
» Elevator Systems
» Payment Systems
» Energy / Water Utilities
» Fridge / Freezer Monitoring
» Temperature Audit Trail
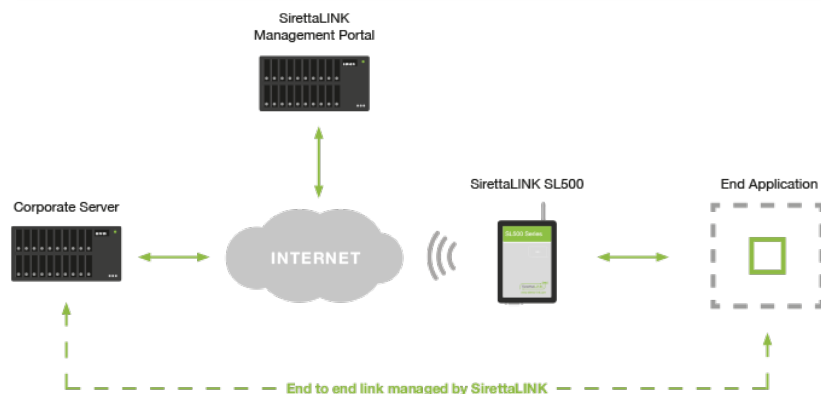
SirettaLINK Management Portal

Corporate Server

INTERNET

SirettaLINK SL500

End Application

End to end link managed by SirettaLINK

SirettaLINK Models

SirettaLINK SL500-LTEM (GL)

- » Optimised for IoT networks
- » Worldwide frequency band support
- » LTE Cat M1/NB1 support
- » 2G EGPRS fallback when LTE is unavailable
- » Data rates up to 230.4kbps

https://www.siretta.com/products/industrial-modems/cat-m/low-power-lte-cat-m-nb-iot-rs232-gateway/

SirettaLINK SL500-LTE1 (EU)

- » Optimised for LTE networks
- » European frequency band support
- » LTE Cat 1 support
- » 2G EGPRS fallback when LTE is unavailable
- » Data rates up to 230.4kbps

https://www.siretta.com/products/industrial-modems/lte-cat-1-mobile-network/low-power-lte-cat-1-rs232-gateway/

Portal Charging

- » Allows customers to develop an application based around SirettaLINK, but only be charged for its use when moving to production volumes.
- » Free of charge use for up to 5 SirettaLINK modems connected to the SirettaLINK Management Portal for an unlimited time to aid development
- » Modest monthly charging for use of 6 or more SirettaLINK modems with the SirettaLINK Management Portal.
- » Payment structure: Available on SirettaLINK Management Portal at www.sirettalink.com

Notifications

Email Alerts for Designated Recipients:

- » Adding New Devices
- » Device Powered Status
- » Online / Offline Status
- » Initiation & Completion of Software Updates
- » Device Errors
- » Server Errors
- » SMS Text Messages

Dashboard View

» Online Devices
» System Mode
» Active Profiles
» Device Configuration Status
» Device Models
» Device Firmware
» Device Software
» Device Location
» Device Network

List View

» Device
» Uptime
» Profile
» Software
» Last Seen
» Summary

Position View

» Geolocate Devices Using Cellular Triangulation
» View Registered Devices in Clustered Groups
» Filter by Devices Located in Local Vicinity
» Visually Determine Devices Online Status

*All displayed using Google Maps™

Reports

» Device Report
    » Device Status
    » Network Status
    » Data Usage
    » Input Status
» Profile Report
» History Report

Profile Management

» Add and Manage Profiles
» Software Settings
» Device operating Settings

Serial Connectivity

» Baud Rate
» Data Bits
» Parity
» Stop Bits
» Flow Control

Device History

» Device Configuration Updates
» Profile Updates
» User Account Updates
» Device Error Reports
» Received SMS Messages
» Client Server Availability
» Software Updates

API Default Settings

» API Callback URL
» API Callback Password
» API Update Rate
» Report Add New Devices

Security

» Secure Cellular Customer PTP Connection
» Secure SirettaLINK Management Channel
» Secure SirettaLINK API Channel
» Optional Secure Customer VPN Channel

Server Connection Settings

- » System Mode
- » Server IP
- » Server Port
- » Local Port
- » Firewall IP
- » Firewall Subnet
- » Rx Timeout (mS)
- » TX Timeout (mS)
- » TX Threshold (B)

Help Center

- » Priority Customer Support Portal
- » SirettaLINK Documents
- » Adding New Devices
- » Action Button Descriptions
- » System Operating Mode
- » Default Device Profile
- » Create Device Profile
- » API Callback
- » LED Staus Codes