Environmental Monitoring Solutions

SOFTWARE

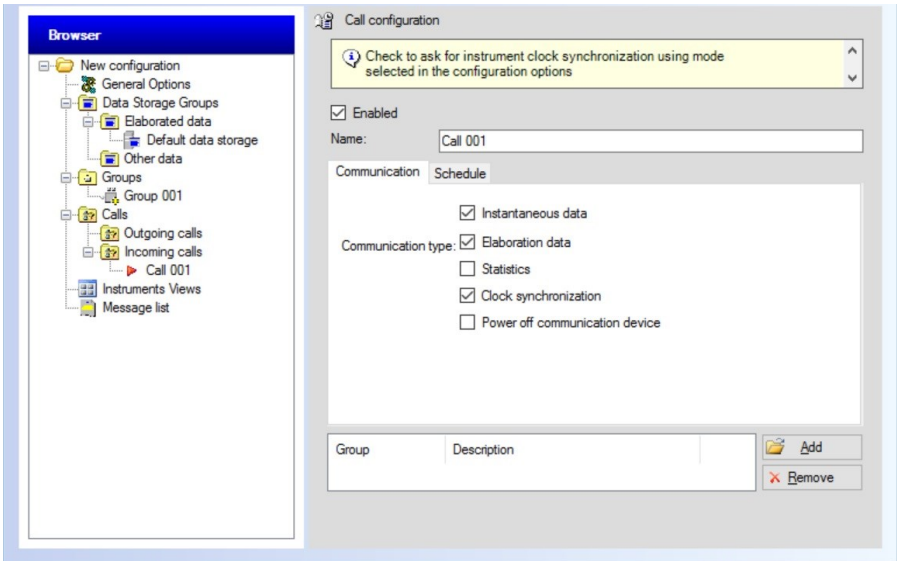
CommNET
(BSZ306.2)

Automatic download and saving of data in the SQL GIDAS database on a PC (or on a Windows Server) or as text files. CommNet can simultaneously manage different communication devices and protocols, including serial COM, PSTN, GPRS, TCP / IP, VHF / UHF radio. The program consists of two modules, one for configuration and one for automatic data download.
CommNET can be installed on a server, the generated SQL database and the programs that use it can run on other PCs connected to each other.

- Automatic data communication via GPRS, Radio, TCP/IP, RS232-USB from data logger to central PC
- Data storing of realtime and elaborated values in Gidas db or ASCII format
- Monitoring of communications activities and generation of a log file

Main Features

Configuration module

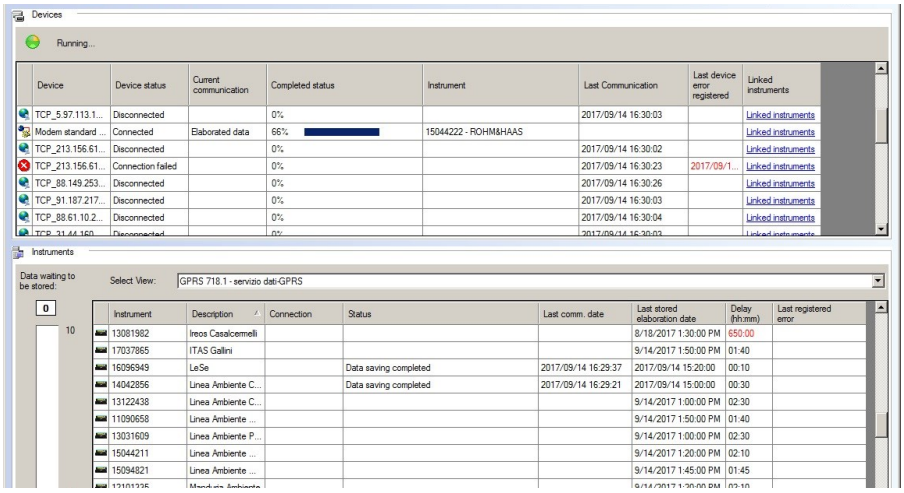


The CommNET configuration page is divided into 2 sections:

- *Browser: list of the programmed calls for each station or homogeneous groups of stations*
- *Call configuration: actions to be performed are listed for each call*

- Simultaneous use of several communication devices (radio VHF/UHF, GPRS, LAN/WAN, USB, RS232/485 cable).
- Automatic calls to one data logger or groups: choice of the communication device, start date/time and recurrences of the call
- Configuration of the file format: customizable text file format, SQL Server GIDAS database file and binary file
- Configuration of the data type: real-time or historical data. Real-time data can be used by LSI LASTEM's X-Panel program or by other applications that use text files
- Automatic synchronization of data logger's clock
- Switch-off of communication devices after each call
- Save of configuration settings

Utility operations

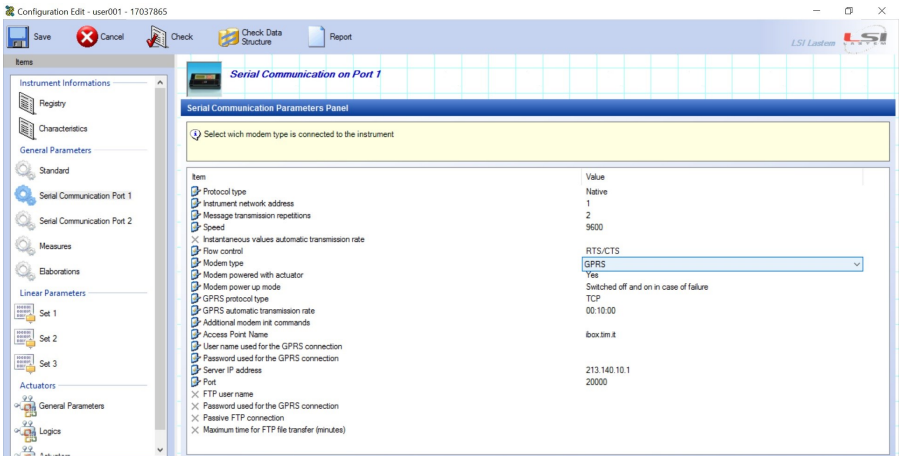


Control panel of the active communications of each data logger in real-time.
Various details can be viewed for each acquirer:

- *IP / serial number / name of the instrument*
- *Communication status*
- *Communication completion status*
- *Date / time of the last communication*
- *Presence of errors*
- *Delays in communications*

- Automatic reboot of the program in case of computer restart
- Communication log file
- Manual calls

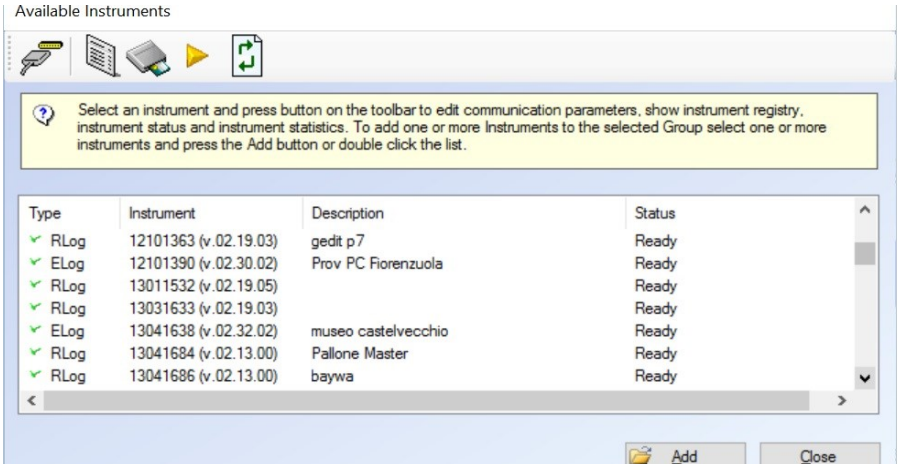
GPRS module



Configuration of GPRS functions, possibility to set the parameters for GPRS communication ("push mode"):

- *Protocol type*
- *Data transmission rate*
- *Name of the access point*
- *SIM Username and Password*
- *IP address (public and static)*

Setup on server



It is possible to store data on SQL Gidas database installed on a server or on a PC connected to it (via LAN / WAN / VPN). Applications that use this database can run on remote PCs connected to the server where the database is located.

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