



Verbatim™ SCADA System

Verbatim™ SCADA is a software application consisting of a Central Station Host computer and a fleet of Verbatim RTUs. The system uses conventional dial-up phone lines to ensure continuous monitoring, reporting, logging and alarming. It provides an automated computer interface augmenting the voice modes intrinsic to all Verbatim RTUs.

Users familiar with RACO DOS SCADA will find most features of that system fully supported. In addition there is a modern graphic user interface (GUI) providing display of RTU status, logs, configuration and reports. There is support for up to 8 simultaneous sessions. At the heart is an SQL database.

Feature Overview

The Verbatim SCADA system's abilities include the following:

Central Station Host

- Runs under Windows 2000 or XP operating system.
- Shares comports and modems as configured on the host computer.
- Provides simple and reliable security to the application and its database.
- A fully multi-tasking implementation.

RTU Fleet

- Manage and monitor a fleet of up to 2500 RTUs.
- Save, modify and restore all RTU configurations.
- Poll for status, install, test, acknowledge alarms and control output settings.
- Group and order RTUs however desired.
- Set specific polling schedules for distinct groups.
- Color-coded status of all RTUs at a glance with popup summary.
- Swap RTUs and change channel configuration without utility program.

Communications

- Perform 8 sessions with 8 distinct RTUs simultaneously.
- Monitor all sessions and polling agendas.
- Log all communications and session activity.
- Support for integrated telephony.

Database

- Manage up to 2.5 billion bytes of data, 2Mb per RTU.
- Virtually unlimited amounts of data using 3rd party database.
- Import all data from existing RACO DOS SCADA systems.
- Provide data to a wide variety of 3rd party applications.
- Purge data selectively based on RTU, date or age. Insert annotations and reminders independent of RTU activity.

Reports

- Wide variety of report types and options.
- Integrated ability to view directly, print, send as email or save reports as files.

Component Overview

This section sketches the major components comprising the Verbatim SCADA system. Each component is a physical thing that needs configuration and administration. Together they support the entire set of features.

Central Station -- Any host computer meeting the system requirements on which the application has been installed.

RTU Fleet -- The system exists to manage an existing fleet of Verbatim RTUs.

Modem Bank -- Foundation for communications with the RTU Fleet. Modems may be shared with other applications or dedicated for use by Verbatim SCADA.

Database -- Repository for all configuration and status information. Contents may be shared between applications and other Central Stations.

GUI -- The Graphical User Interface provides access to all the components and features of the system.

Help -- The Online Help and Product Documentation provides information on how to use the system.

Backwards Compatibility and Importing RACO DOS SCADA System Data

Verbatim SCADA is fully compatible with existing Verbatim RTUs equipped with the SCADA modem option.

Current users of the RACO DOS SCADA system will be able to import all existing data.

The user interface has been improved, providing many enhanced features. Some few features have been discontinued. Specifically:

Ability to disable an RSC output. There is currently no provision to exclude specific RSC outputs from reports.

Ability to custom label the RSC ON/OFF states. Although you may customize the output name, there is no provision for customizing the output state descriptions.