AUTOSOL

ACM R/T SCADA

Tailored Software for Real-Time Data

ACM R/T SCADA is the lite version of our next generation communication management software, ACM, used for polling real-time data only. It combines industry standard features with enhancements that deliver an unrivaled level of performance, flexibility and ease of use.

For your most critical applications, your SCADA system requires a powerful, intelligent central nervous system to ensure a secure, effective and uninterrupted flow of data. ACM R/T SCADA serves as your reliable communication hub for SCADA, seamlessly acquiring data values from industrial automation devices and passing that information to SCADA systems, HMIs and other applications.

Offering an impressive list of unique features, ACM R/T SCADA software communicates with different SCADA devices in their respective protocols over single or multiple telemetry circuits. On-line configurability and redundant communication paths for each device ensure your communication is never interrupted. ACM R/T SCADA's reach is virtually unlimited, with per-device product licensing and bandwidth being the only variables. Applications having one device can be incrementally grown to thousands of devices distributed over a large geographic area.

ACM R/T SCADA's multi-protocol ability supports the integration of legacy devices with emerging control technologies. This extends the useful life of the installed legacy equipment while at the same time providing a path for systematic upgrades. The software allows for immediate and effective implementation of a complete polling system, resulting in a significant return on investment.

The base price of ACM R/T SCADA includes all device protocols, telemetry methods, reports and functions and is expandable from one device up to thousands of devices in a single installation. This scalability provides customers with the flexibility to expand their systems on an as-needed basis, further maximizing ROI.

Key Features

- Supports **multiple protocols over a single telemetry** channel or circuit.
- Supports **concurrent polling** through any type of telemetry.
- Includes protocol modules developed to **support legacy SCADA systems** used during the extended transition to new SCADA host systems or data warehouse systems.
- Supports the ability to **modify the configuration while the product is "on-line"** without server restart.
- Supports **multiple local and remote concurrent users** to allow your team to work together without difficulty.
- Provides **data and communication status detail** within the configuration program as users issue commands and add items to poll.
- Allows users to **assign polling priorities** to items or tasks.
- Provides an **audit trail** for configuration changes, as well as the commands that are issued.
- Includes a **robust logger and dashboard** as diagnostic tools to be used by local or remote support personnel.
- Supports **redundant communication paths,**redundant configuration (via SQL Server) and allows HMI control of primary / backup switch-over.
- Allows for **easy generation of reports** varying from device communication status to missing records.
- Allows for **automatic generation and sending** of reports.

Compatibility

OPC/HMI SCADA Hosts

ACM R/T SCADA can interface with most OPC SCADA hosts available today. Listed below is an example of existing interfaces to AUTOSOL software:

- ABB SCADAvantage
- Emerson Delta V
- GE Complicity, iFix
- Honeywell Experion
- Iconics Genesis
- Inductive Automation Ignition
- Rockwell FactoryTalk
- Schneider Electric EcoStruxure Geo SCADA Expert
- Schneider Electric Vijeo
- Schneider Electric Citect
- Schneider Electric Telvent
- Schneider Electric Wonderware
- Siemens WinCC
- Yokogawa Fast Tools

Telemetry Methods

- CDMA
- Conventional Radio
- Dial-Up
- Ethernet TCP/IP, UDP/IP
- GPRS
- Leased-Line
- PSTN
- Terminal Server TCP/IP, UDP/IP
- TCP Listen
- TCP Pooling
- Trunking Radio
- Satellite/VSAT
- Serial Cable
- Serial Multi-Drop
- Spread Spectrum Radio

Native Protocols

- ABB Totalflow
- ABB (Spirit) FlowX
- Allen Bradley ControlLogix
- Allen Bradley DF1
- Barton Scancom
- Benchmark
- DEC Asynchronous
- DNP3
- Eagle Research
- Emerson (Bristol Babcock) BSAP
- Emerson (Fisher) ROC
- Emerson (Fisher) ROCPlus
- FBNet
- GE SRTP
- Hex Repeater
- Honeywell Mercury Instruments
- Kimray
- Siemens CAMP
- Siemens S7
- TGP Binary
- Thermo Flow Automation

Modbus Protocols

ACM R/T SCADA functionality can be expanded by developing additional interfaces with any Modbus device. Specific protocols currently provided with the ACM R/T SCADA software are:

- Cameron Scanner 1150
- Danies
- Dynamic Flow Computers Micro MVL
- DynaPump
- Enron
- ETNG
- Extreme Telematics ALiEn2
- FB3000
- KM RTU
- Lufkin Automation
- Lufkin SAM
- Modbus/TCP
- Motorola MOSCAD
- Omni Flow
- PCS Plunger Lift
- Prosoft
- Schneider Electric SCADAPack

Server Configuration Database

- Microsoft SQL Server

System Requirements

ACM R/T SCADA supports the following operating systems in both 32 and 64-bit:

- **Microsoft Windows:** 7, 8, 8.1, and 10
- **Microsoft Windows Server:** 2008, 2008R2, 2012, 2012R2, 2016 and 2019
- **.NET Framework 3.5 and 4.0 are required**

ACM R/T SCADA requires a Microsoft SQL Server for storing its configuration:

- **Microsoft SQL Server:** 2008R2, 2012, 2014, 2016, and 2017 (using Native Client 11) Express, Standard, and Enterprise editions are supported, including Microsoft Azure

Specifications are subject to change without notice.

Custom Software Development

AUTOSOL's software engineers and developers are continually enhancing the flexibility and scalability of our products. In addition to our internal product development efforts, AUTOSOL offers custom software development services to provide support for our clients' needs.

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