

COMLI OPC Server

SCC

DRIVER TYPES

	COMM
Windows NT	7.10-6
Windows 2000	7.10-6
XP	7.10-6
Windows 2003	7.10-6

SUPPORTED HARDWARE

COMLI	Standard SattCon COMLI.
Heto-Holten	Different float representation.
SDM	Different float representation.
TEBmatic	Different float representation.

PROTOCOL

Direct Link
Multi-drop

Baud Rate, Parity, Stop Bits, and Data Bits: User Definable.

Support for 247 Devices per serial link.

Up to 256 serial ports is supported.

Backup port support.

SUPPORTED MESSAGES/DATA AREAS

Analog Input	Read analog inputs	Request "9", Transfer "A"
Analog Output	Read and write analog outputs via I/O RAM	Request "2", Transfer "0"
Digital Input	Read digital inputs via I/O RAM	Request "2", Transfer "0"
Digital Output	Read and write digital outputs via I/O RAM	Request "2", Transfer "0" "3"
I/O RAM Word	Read and write 16 bit words in I/O RAM	Request "2", Transfer "0"
I/O RAM Bit	Read and write bits in I/O RAM	Request "2", Transfer "0" "3"
Low Integer Register	Read and write 16 bit integer registers, old style	Request "2", Transfer "0"
Integer Register	Read and write 16 bit integer registers	Request "<", Transfer "="
Float Registers	Read and write 32 bit float registers	Request "O", Transfer "P"
Static Controller	Read and write static controller data	Request "5", Transfer "6"
Dynamic Controller	Read dynamic controller data	Request "B", Transfer "C"

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Data & Time	Read and write date and time	Request "I", Transfer "J"
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DATA TYPES

String	ASCII Text.
SInt	Signed 16-bit integer.
UInt	Unsigned 16-bit integer.
Float	32-bit float point (IEEE)
Digital	Integer used as digital values.
ULong	Unsigned 32-bit integer.
SLong	Signed 32-bit integer.
UByte	Unsigned 8-bit integer.
SByte	Signed 8-bit integer.

REQUIRED VENDOR SOFTWARE

N/A

SIGNAL CONDITIONING

NONE	
I2BN Signal Conditioning	Scales 12-bit binary values to the database block's EGU range. Ignores the most significant nibble (4-bits).
I2AL Signal Conditioning (with alarming)	Scales 12-bit binary values to the database block's EGU range.
I5BN Signal Conditioning	Scales 15-bit binary values to the database block's EGU range. Ignores most significant bit.
I5AL Signal Conditioning (with alarming)	Scales 15-bit binary values to the database block's EGU range.
LIN Signal Conditioning	Scales 16-bit binary values to the database block's EGU range.
3BCD Signal Conditioning	Scales 3-digit Binary Coded Decimal values to the database block's EGU range.
4BCD Signal Conditioning	Scales 4-digit Binary Coded Decimal values to the database block's EGU range.
I3BN Signal Conditioning	Scales 13-bit binary values to the database block's EGU range. Ignores most significant 3 bits.
I3AL Signal Conditioning (with alarming)	Scales 13-bit binary values to the database block's EGU range.
8BN Signal Conditioning	Scales 8-bit binary values to the database block's EGU range. Ignores most significant byte.
8AL Signal Conditioning (with alarming)	Scales 8-bit binary values to the database block's EGU range.

COMMUNICATIONS PERFORMANCE

The protocol is a serial binary protocol. It can read maximally 32 data words from a data block in one message. At 9600 baud 3 messages containing 32 words can be fetched per serial link. This can be 96 analog values or 1536 digital signals.

GENERAL LIMITATIONS

N/A

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061006



MANUAL

DEMO

COMMENTS

Supports OPC Data Access 1.0a and OPC Data Access 2.05

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