

General Specifications

CHS2200
SOE OPC Interface Package



GS 32S05D10-21E

■ GENERAL

This package implements an OPC (OLE for Process Control) server on the human interface station (HIS) of the CENTUM VP/CS 3000, on a safety engineering PC (SENG) or general-purpose PC. In addition, through an OPC interface, the package can provide OPC clients with event and diagnostic information that has been gathered using the sequence-of-events recorder (SOER) function of the Safety Control Stations (SCS) .

■ FUNCTION SPECIFICATIONS

The SOE OPC interface package provides the following OPC interface specifications:

Alarms & Events (A&E) Server

An A&E server notifies an OPC client of asynchronously generated SCS events as A&E information. This server periodically reads the SCS events and, if there is any change in the events (e.g., if a new event is generated), informs the OPC client of the differences.

The supported events are:

- Diagnostic information
- Sequence of events (SOE)

■ SYSTEM CONFIGURATION

Server/Client Configuration

OPC clients of the SOE OPC interface package can be implemented in the following two situations:

- The OPC client coexists with the SOE OPC interface package on the same PC.
- The OPC client exists on a different general-purpose PC.

Multi-client Configuration

Several OPC clients can access a single OPC server (SOE OPC interface).

Multi-server Configuration

A single OPC client can access several OPC servers (SOE OPC interfaces).

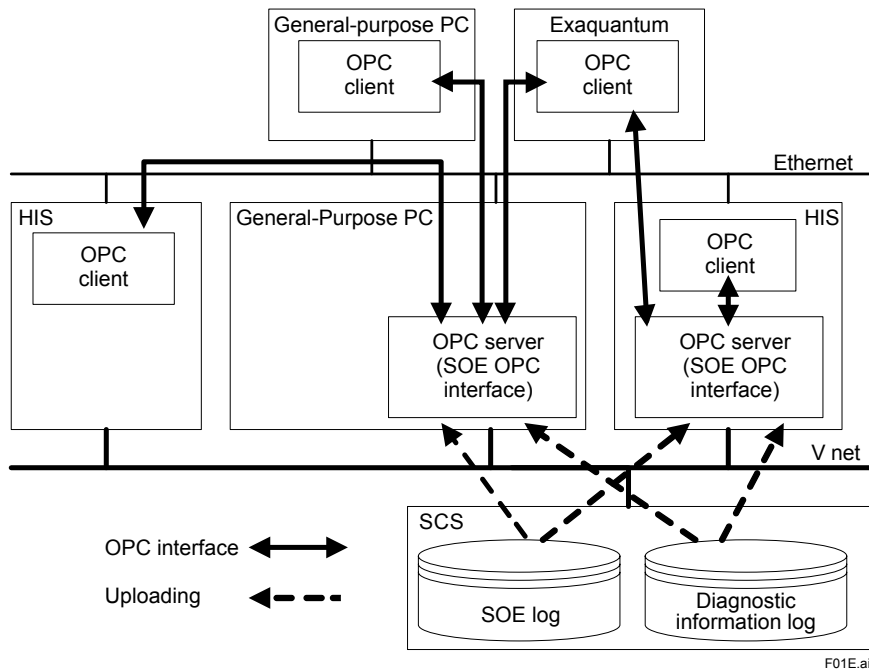


Figure System Configuration

■ APPLICATION CAPACITY

A&E Server

Item	Cassette
Maximum number of connected clients	100
Maximum number of objects for which events are registered	1000/OPC server
Maximum number of registered event generation sources	100/registered object

■ RANGE OF SUPPORTED OPC SPECIFICATIONS

The SOE OPC interface package provides the following interface specifications for OPC clients:

A&E Server

OPC Alarms and Events Custom Interface Specification Version 1.1

■ SYSTEM REQUIREMENTS

Hardware Requirements:

The interface package must comply with the system requirements for the LHS1100 Standard Operation and Monitoring Function of the CENTUM VP/CS 3000.

OPC Client is worked on the IBM PC/AT-compatible personal computer.

Software Requirements:

Refer to the GS "ProSafe-RS Safety Instrumented System Overview."

Restrictions:

- Do not use the SOE OPC interface package along with the OPC server for the NTPF100 Exaopc OPC interface package.
- The SOE OPC interface package can be used with the OPC server for the LHS2411 Exaopc OPC interface package (HIS-installed version).

■ MODELS AND SUFFIX CODES

		Description
Model	CHS2200	SOE OPC Interface Package [Medium model: CHSKM02-V11]
Suffix Codes	-V	Software license
	1	Always 1
	1	English version

■ ORDERING INFORMATION

Specify the model and suffix codes.

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