

General Specifications

Model NTPC053
Exaopc Cassettes



GS 36J40F50-01EN

■ PROBLEM

The local buffering of a PCS's (Process Control System) Alarms & Events is required to avoid lost data if the communication between the OPC A&E server and Exaquantum data historian is unavailable.

■ SOLUTION

Exaopc Cassettes are available for interfacing third party OPC servers with Exaopc to provide buffered Alarms & Events to Exaquantum once communications between Exaopc and Exaquantum has been restored.

Triconex OPC A&E

Collects Alarms & Events from a Triconex Safety System(s) connected from a Matrikon OPC A&E server.

Hathaway OPC A&E

Retrieves Alarms & Events from the Hathaway 'SQL Anywhere' via ODBC.

OPC A&E Concentrator (AEC)

Collects Alarms & Events from multiple OPC A&E servers into a single Exaopc server resulting in reduced firewall ports and network traffic.

In addition to the above buffering cassettes, the 'OPC DA to A&E' Exaopc Cassette is available to collect and convert OPC DA to OPC A&E using configured alarm limits. Buffering is also provided.

■ BENEFITS

- Interfaces to third party OPC servers to collect alarm and event data which can be utilized by Exaquantum applications
- Alarm and Event data can be analyzed and monitored via a single source, which helps enable the implementation of an effective alarm management process

■ KEY FEATURES

- The Triconex OPC A&E Cassette can be configured to provide the plant hierarchy
- Exaopc redundancy can be provided

■ HARDWARE AND SOFTWARE REQUIREMENTS

Minimum Hardware and Software Specifications

| Component | Minimum Hardware Specifications |
|---------------|---|
| Exaopc Server | As listed in the Exaopc Interface Package GS 36J02A10-01E |

| Component | Software Specifications |
|---------------|---|
| Exaopc Server | As listed in the Exaopc Interface Package GS 36J02A10-01E |

■ SUPPORTED OPERATING SYSTEMS

The Triconex OPC A&E Exaopc Cassette can be installed on the following operating systems.

- Windows 7 Professional 64-bit SP1
- Windows Server 2008 SP2
- Windows Server 2008 R2
- Other Software: Exaopc R3.72 or Exaopc R3.75
- Other Software: Matrikon Triconex OPC AE Server (version 3.6.1.1604 or later)

The Exaopc AEC Cassette can be installed on the following operating systems.

- Windows 7 Professional 64-bit SP1
- Windows Server 2008 SP2
- Windows Server 2008 R2
- Other Software: Exaopc R3.72 or Exaopc R3.75
- Other Software: ProSafe-RS OPC Server R1.02.00

The Exaopc DA to A&E Cassette can be installed on the following operating systems.

- Windows Server 2008 Standard Edition R2 (SP1) 64-Bit
- Windows Server 2008 Standard Edition 32-Bit (SP2)
- Windows 7 Professional 64-Bit
- Windows 7 Professional 32-Bit
- Other Software: Exaopc R3.71

If the Hathaway OPC A&E or DA to A&E Cassette is required, or a different operating system and/or Exaopc version is required for use by any cassette then please contact Yokogawa for more assistance.

MODELS AND SUFFIX CODES

Exaopc Cassettes are used to interface Exaquantum with third party OPC servers

Exaopc Cassettes Product

| | | Description |
|---------------------|---------|--|
| Model | NTPC053 | Exaopc Cassettes Product |
| Suffix Codes | -S | Basic Software License |
| | 1 | New Order (with Media) |
| | 1 | English Version |
| | -01 | Server License |
| | -TRXS□ | Enter the number of Triconex AE Exaopc Cassette Licenses (1 - 9) (*1) |
| | -TRXR□ | Enter the number of Redundant Triconex AE Exaopc Cassette Licenses (1 - 9) (*4) |
| | -DAES□ | Enter the number of DA to AE Conversion Exaopc Cassette Licenses (1 - 9) (*2) |
| | -DAER□ | Enter the number of Redundant DA to AE Conversion Exaopc Cassette Licenses (1 - 9) (*4) |
| | -AECS□ | Enter the number of Yokogawa AEC (Alarm and Event Concentrator) Exaopc Cassette Licenses (1 - 9) (*5) |
| | -AECR□ | Enter the number of Redundant Yokogawa AEC (Alarm and Event Concentrator) Exaopc Cassette Licenses (1 - 9) (*4) (*5) |
| | -HATS□ | Enter the number of Hathaway Exaopc Cassette Licenses (1 - 9) (*3) |
| | -HATR□ | Enter the number of Redundant Hathaway Exaopc Cassette Licenses (1 - 9) (*4) |

- *1: Matrikon Triconex OPC AE Server (version 3.6.1.1604 or above).
- *2: Formally known as the Modicon Quantum Cassette. OPC DA 2.0 and 2.05a is supported.
- *3: SER Unit: Model SER 4100 with SQL Anywhere Version 5.5.
- *4: Purchase Exaquantum/ORM (OPC Redundancy Manager) R3.02 or above if a redundant cassette is purchased. The primary Exaopc cassette must be purchased (for example -TRXR can only be purchased if -TRXS is purchased).
- *5: All Alarms & Events OPC servers must be identical per cassette. This cassette can be used to interface with ProSafe-RS.

Maintenance Service for Exaopc Cassettes

| | | Description |
|---------------------|------------|---|
| Model | SV3NTMC053 | Exaopc Cassettes |
| Suffix Codes | -S | Annual Contract |
| | 1 | Always 1 |
| | 1 | Always 1 |
| | -TRXS□ | Enter the number of Triconex Exaopc Cassette Licenses (1 - 9) |
| | -TRXR□ | Enter the number of Redundant Triconex Exaopc Cassette Licenses (1 - 9) |
| | -DAES□ | Enter the number of DA to AE Conversion Exaopc Cassette Licenses (1 - 9) |
| | -DAER□ | Enter the number of Redundant DA to AE Conversion Exaopc Cassette Licenses (1 - 9) |
| | -AECS□ | Enter the number of Yokogawa AEC (Alarm and Event Concentrator) Exaopc Cassette Licenses (1 - 9) |
| | -AECR□ | Enter the number of Redundant Yokogawa Alarm and Event Concentrator OPC Cassette Licenses (1 - 9) |
| | -HATS□ | Enter the number of Hathaway Exaopc Cassette Licenses (1 - 9) |
| | -HATR□ | Enter the number of Redundant Hathaway Exaopc Cassette Licenses (1 - 9) |
| | -N | New |
| | -R | Renewal |

ORDERING INFORMATION

Specify the model and suffix codes.

TRADEMARKS

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