

# General Specifications

Model NTPC055  
Exaquantum  
Historical Data Manager



GS 36J40F70-01EN

## ■ PROBLEM

Some plants may only be able to provide Historical Data Access (OPC HDA) to the process data as OPC DA is not available.

## ■ SOLUTION

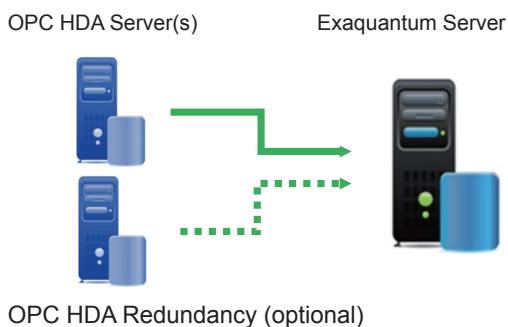
Exaquantum's Historical Data Manager (Exaquantum/HDM) collects process data from one or more OPC HDA Servers as if the process data was obtained from an OPC DA server.

## ■ BENEFITS

- Allows Exaquantum to collect process data from an OPC HDA server(s) for use in graphics, trends, reports, calculations, etc.
- If available, OPC HDA redundancy is supported to allow data to be read from either OPC HDA channel to prevent process data being lost

## ■ KEY FEATURES

- Supports OPC HDA 1.1 and OPC HDA 1.2
- HDM reads data synchronously from an OPC HDA server(s) at a configurable scan rate allowing for late arrival of data
- Exaquantum History Catch-up and OPC Recovery is available after the Exaquantum server is restarted and following the re-establishment of communications between the OPC HDA server(s) and HDM
- The data collection rate and age of data queried is configurable



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## ■ INTERFACES

### OPC to HDA Interface

HDM module that collects data values from remote OPC servers into Exaquantum has been tested to datasets up to 4,000 tags with mixed tag update rate of

- 500 with 1 second tags
- 1,500 with 10 second tags
- 2,000 with 60 second tags

### RDB to HDA Interface

HDM module that collects remote database values into Exaquantum has been tested to datasets of up to 1,400 tags with a 1 second update rate.

Both interfaces have been tested with HDM configuration of 60-second read interval with a 60 second read offset. Please contact Yokogawa Marex Customer Services for requests to support larger datasets.

## ■ HARDWARE AND SOFTWARE REQUIREMENTS

### Minimum Hardware and Software Specifications

Component	Minimum Hardware Specifications
Exaquantum/HDM Server	As listed in the Exaquantum R3.10 GS 36J04A10-01E for an Exaquantum Server

Component	Software Specifications
Exaquantum/HDM Server	As listed in the Exaquantum R3.10 GS 36J04A10-01E for an Exaquantum Server

If HDM will be installed on a different version of Exaquantum, please contact Yokogawa for assistance.

## ■ MODELS AND SUFFIX CODES

### Exaquantum/HDM Product

		Description
<b>Model</b>	NTPC055	Exaquantum/HDM Product
<b>Suffix Codes</b>	-S	Basic Software License
	1	New Order (with Media)
	1	English Version
	-SV□	Enter the number of Exaquantum/HDM Server Licenses (1 - 9)

Note: Only one HDM Server License is required per Exaquantum Server.

### Maintenance Service for Exaquantum/HDM

		Description
<b>Model</b>	SV3NTMC055	Exaquantum/HDM
<b>Suffix Codes</b>	-S	Annual Contract
	1	Always 1
	1	Always 1
	-SV□	Enter the number of Exaquantum/HDM Server Licenses (1 - 9)
	-N	New
	-R	Renewal

Note: Only one HDM Server License is required per Exaquantum Server.

## ■ ORDERING INFORMATION

Specify the model and suffix codes.

## ■ TRADEMARKS

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