

# General Specifications

## Model NTPC054 Exaquantum Synchronous OPC Data Manager



GS 36J40F14-01EN

### ■ PROBLEM

The standard Exaquantum OPC Data Client registers with an OPC Server for asynchronous notifications when item values change. Although this is the most efficient way for Exaquantum to obtain updated item data, some OPC servers are not optimized for asynchronous access and better performance would be achieved by using the Exaquantum Synchronous OPC Data Manager to read item data synchronously from an OPC server(s).

### ■ SOLUTION

Yokogawa's Exaquantum Synchronous OPC Data Manager (Exaquantum/SDM) provides Exaquantum with a Synchronous OPC Data client that will poll one or more OPC servers.

The Synchronous OPC Data Manager creates one or more OPCGroup objects on the OPC server and adds items to the OPCGroup. The overall update rate for all groups is taken from the fastest OPC update rate configured for any tag for this OPC server. OPC deadband is not supported.

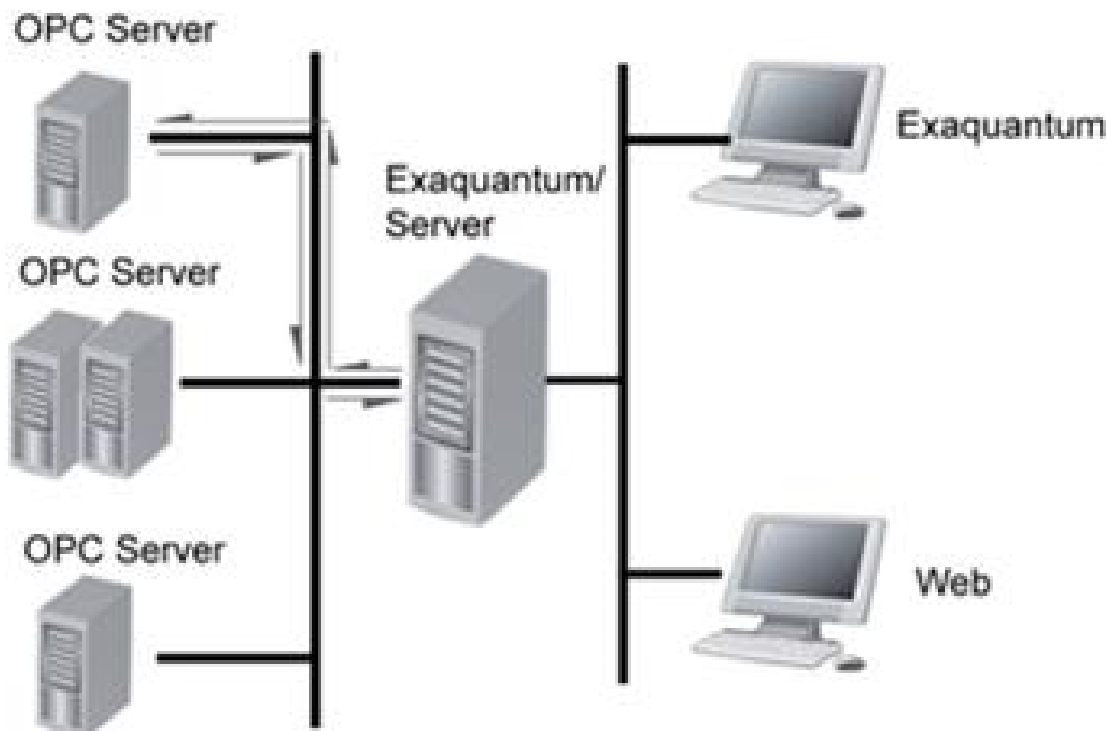
Items may be grouped based on name by prefixing the OPC Item ID with a unique group identifier followed by a colon (":"), for example, GRP1:100T100.SP or just 1:100T100.SP.

The Synchronous OPC Data Manager will read data synchronously for all items in each configured group with a configured delay after each group read. If the time required to read data for all groups is less than the overall update rate interval the Synchronous OPC Data Manager will wait until the end of this interval before beginning the next read cycle for all groups, otherwise the next read cycle will continue immediately after the last group read delay.

If the value and quality read for any item exactly matches the value and quality read on the previous cycle then no new value will be presented to Exaquantum.

### ■ KEY FEATURES

- Reduces PCS loading
- Reduces OPC server loading
- Simple to Install
- Works with the standard Exaquantum OPC Data client
- Minimum configuration required
- Event log available.



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## ■ HARDWARE AND SOFTWARE REQUIREMENTS

### Minimum Hardware and Software Specifications

Component	Minimum Hardware Specifications
Exaquantum/SDM Server	As listed in the Exaquantum R2.70 GS 36J04A10-01E for an Exaquantum Server
Exaquantum/SDM Web Server	As listed in the Exaquantum R2.70 GS 36J04A10-01E for an Exaquantum Web Server
Exaquantum/SDM Web Clients	As listed in the Exaquantum R2.70 GS 36J04A10-01E for an Exaquantum Web Client

Component	Software Specifications
Exaquantum/SDM Server	As listed in the Exaquantum R2.70 GS 36J04A10-01E for an Exaquantum Server
Exaquantum/SDM Web Server	As listed in the Exaquantum R2.70 GS 36J04A10-01E for an Exaquantum Web Server
Exaquantum/SDM Web Clients	As listed in the Exaquantum R2.70 GS 36J04A10-01E for an Exaquantum/Web Client

## ■ MODELS AND SUFFIX CODES

### Exaquantum/SDM Product

		Description
<b>Model</b>	NTPC054	Exaquantum/SDM Product
<b>Suffix Codes</b>	-S	Basic Software License
	1	New Order (with Media)
	1	English version
	-SV□	Enter the number of Exaquantum/SDM Server Licenses (1 - 9)

### Maintenance Service for Exaquantum/SDM

		Description
<b>Model</b>	NTMC054	Maintenance Service for Exaquantum/SDM
<b>Suffix Codes</b>	-S	Annual Contract
	1	Always 1
	1	Always 1
	-SV□	Enter the number of Exaquantum/SDM Server Licenses (1 - 9)

## ■ ORDERING INFORMATION

Specify the model and suffix codes.

## ■ TRADEMARKS

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