

# MatrikonOPC Data Manager

## Sharing process data between multiple control systems has never been easier.

Matrikon's OPC Data Manager (ODM) is a software application that transfers data from one OPC server to another. Use ODM when you need to share data between two or more control systems (e.g. PLC and a DCS). With ODM this connectivity can be accomplished with standard, off-the-shelf software.

OLE for Process Control (OPC) servers are available for every major system on the market today. Traditional OPC-enabled systems share data by implementing one application as an OPC client and another as an OPC server. Sometimes, however, neither application is an OPC client; instead, both are servers. Two OPC servers can't exchange data, as they are designed to respond to a client's requests and are unable to generate requests. Matrikon's ODM solves this problem by acting as a 'double-headed' or 'thin' OPC client to both servers. It requests data from one server and immediately sends it to the other OPC server

### Features include:

- The statuses for Tags, Master OPC Servers, Slave OPC Servers are displayed for easier troubleshooting.
- The GUI for Configuration Panel has been significantly improved to provide users with the information they need to know.
- Now Features Redundancy
- Supports writing Value, Quality and Timestamp to HDA Servers
- No programming required
- Supports OPC 3.0, 2.0 Data Access and 1.0a
- Server to server communication
- Supports COM/DCOM
- Can run as a Windows service
- Allows user to control data transfer based on quality
- Comes with its own server, MatrikonOPC Server for Data Manager

### Bulk Configuration

ODM enables you to do bulk configuration by importing CSV (Comma Separated Values) files from such applications as Microsoft Excel.

### Simulation and Testing

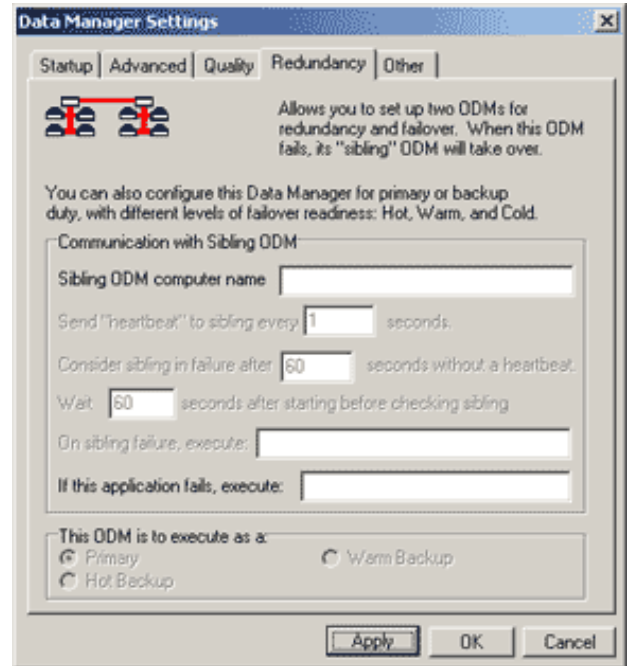
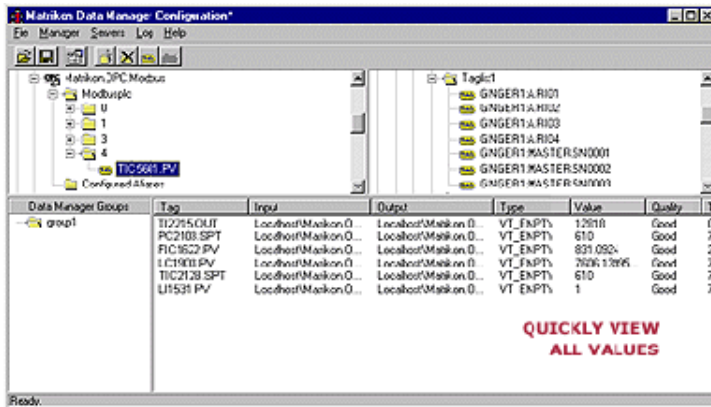
Sometimes, the hardware required for testing may be unavailable. With ODM, the lack of hardware will not delay your testing schedule. No matter what OPC server is being used, ODM can populate it with simulated data using the [MatrikonOPC Simulation Server](#).

## Sustained Throughput (based on PIII 400 MHz)

10,000 reads per second  
3,000 reads/writes per second

## Values

The value of any point can easily be accessed by double clicking on it.



## Redundancy

Use ODM to implement full redundancy. The Primary ODM executes on one PC, while the Standby ODM (on another PC) monitors the Primary's operation. If the Standby ODM detects a failure, it takes over immediately. This ensures that only one ODM transfers data at a time and avoids data loss. ODM can also be used with the MatrikonOPC Redundancy Broker (ORB).

## Multiple Options

Each point can be configured separately to scale values and provide default error values, and is compatible with DDE/NetDDE.

## Automatic Startup

The simple configuration allows you to save special login information. In the event of an unscheduled shutdown, ODM will automatically restart along with other Windows services, log in to the necessary OPC servers, and fully recover without any user intervention.

## Supported OPC Specifications:

- OPC A&E (OPC Alarms and Events) 1.0
- OPC A&E (OPC Alarms and Events) 1.01
- OPC A&E (OPC Alarms and Events) 1.1
- OPC DA (OPC Data Access) 1.0a
- OPC DA (OPC Data Access) 2.0
- OPC DA (OPC Data Access) 2.05a
- OPC DA (OPC Data Access) 3.0
- OPC HDA (OPC Historical Data Access) 1.0
- OPC HDA (OPC Historical Data Access) 1.1
- OPC HDA (OPC Historical Data Access) 1.2
- \* OPC DA client and server, OPC A&E and OPC HDA client.

