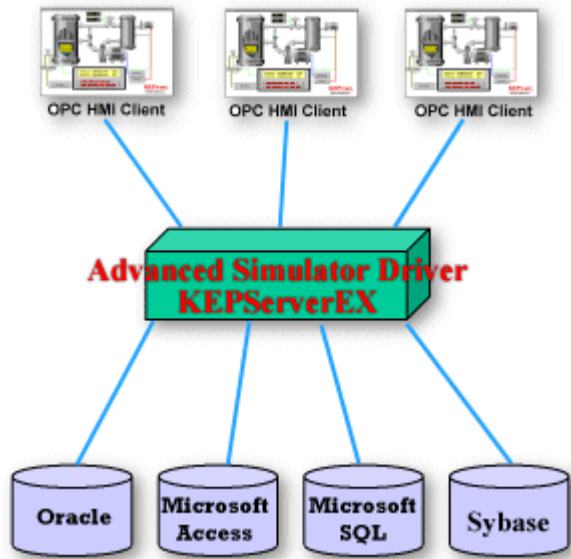


## Advanced Simulator Driver

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### Overview

The Advanced Simulator Driver was designed to plug into our industrial based communications server product. This product supplies reliable data access to any HMI, SCADA, Historian, or Enterprise application that supports OPC, DDE, FastDDE, and SuiteLink. This driver provides single-point access to multiple ODBC data sources via ODBC. The driver simulates live data by traversing through all the records in a selected table at a rate set by the user. Using the power and speed of OPC, the server is able to offer ODBC data to any OPC/DDE enabled client.



### Supported Devices:

#### Databases:

- Microsoft Access
- Microsoft SQL
- Oracle
- Sybase

**\*\*** The Advanced Simulator Driver is capable of communicating with **any** application that supports the standard "ODBC" data source format.

Required: MDAC - Microsoft Data Access Components (it consists of several core components that provide various database technologies; including ODBC and its drivers.)

### Features:

#### Specific Features

- Supports the option to automatically start at the first record when all the records in the table have been read or stop once the last record has been reached
- Supports the internal tag (MoveTo) so the user can move to any specified record at any time

- Multiple connection sessions to multiple ODBC data sources
- OPC DA
- Tags updated regularly from the database
- Drag and drop editing, and CSV import and export for manipulating large numbers of tags easily
- New tags can be added to your application at any time - even at runtime
- Dynamic table access method
- Simple and self-evident user interface will allow users to get their data immediately

## **General Features**

### **General**

- Multi-threaded design ensures optimum performance
- Supports up to 16 concurrent serial port and PC card configurations
- Full Time On-line operation allows on the fly changes
- Build Diagnostic system with protocol display
- OPC Diagnostic feature provides a real-time and historical view of OPC events that occur between any OPC client and the server.
- Modem support included on all Serial port drivers
- CSV file import and export of Server tags for easy configuration on large projects
- Supports running as a Windows service
- Supports direct scaling of device data which allows raw device data to be converted to engineering units for OPC client applications
- Online full-time
- Includes a built-in User Manager that allows complete control over what types of functionality each individual user can access
- Allows the user to specifically select a NIC card for use with any Ethernet driver or serial driver running in Ethernet Encapsulation mode.

### **OPC**

- Supports OPC 1.0 Data Access Specifications
- Supports OPC 2.05a Data Access Specifications
- Supports OPC 3.0 Data Access Specifications
- Includes OPC 2.0 Automation Interface and comprehensive Visual Basic examples

### **DDE**

- AdvancedDDE supports RSView32 and Cimplicity
- FastDDE and SuiteLink Support Wonderware FactorySuite 2000
- CF-Text supports all DDE aware applications
- NetDDE supports shared network access to device data

## **Required Software and Hardware**

### **Supported Operating Systems**

- Windows NT
- Windows 2000
- Windows Server 2003
- Windows XP

### **PC Hardware**

**Minimum**

- 400 Mhz Pentium CPU
- 128 Megs of RAM
- 100 Megs of Free Hard Drive Space

**Recommended**

- 600 Mhz Pentium CPU
- 512 Megs of RAM
- 100 Megs of Free Hard Drive Space

**Hardware Requirements**

- For Device and Hardware Requirements see the **Devices** table.

**Communications Protocol:**

- ODBC API - Open DataBase Connectivity Application Programming Interface