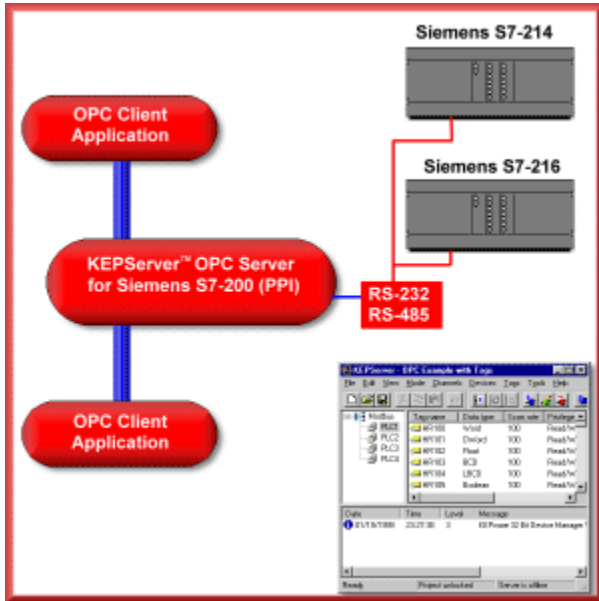


Siemens S7 200 OPC Server

Overview

KePware's 32 bit Siemens S7-200 device driver works in conjunction with our OPC Server KEPServerEX, to provide data exchange between OPC Clients and Siemens S7-200 PLCs using PPI (11Bit) or PPM (10Bit) protocol. Direct support for the EM241 Modem Module. KEPServerEX automatically optimizes your data acquisition based on client demand. Data integrity is ensured with our extensive error handling.

This product is part of a Suite and when it is purchased you will receive all drivers in the suite.



Supported Devices:

Device	Note
S7-212	
S7-214	
S7-215	
S7-216	
S7-224	
	Any Siemens S7-200 devices.

Features:

Specific Features

- Supports EM241 Modem Module.
- Supports PPI (11Bit) and PPM (10Bit) protocols.
- Single Master Multi-drop RS485 Supported.
- Stations 0-126.
- Memory Types Supported: I, Q, M, S, V, T, C, HC, AI, AQ.
- All data types are supported.

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:

- Point-to-Point (PPI) S7-200 Communications Protocol (11 bit Mode)

- Point-to-Point Modem (PPM) S7-200 Communications Protocol (10 bit Mode)

Note: Normally the driver operates using the standard 11 bit PPI protocol. If the use of the EM 241 modem module is required the S7-200 PPM model must be selected. The S7-200 PPM model allows the driver to operate in a 10 bit mode which is much more compatible with a wide range of off the shelf modems. The 10 Bit PPM mode can also be used directly on the programming port of the PLC. To enable 10 bit PPM mode the S7-200 programming cable must be set to 10 bit mode.