

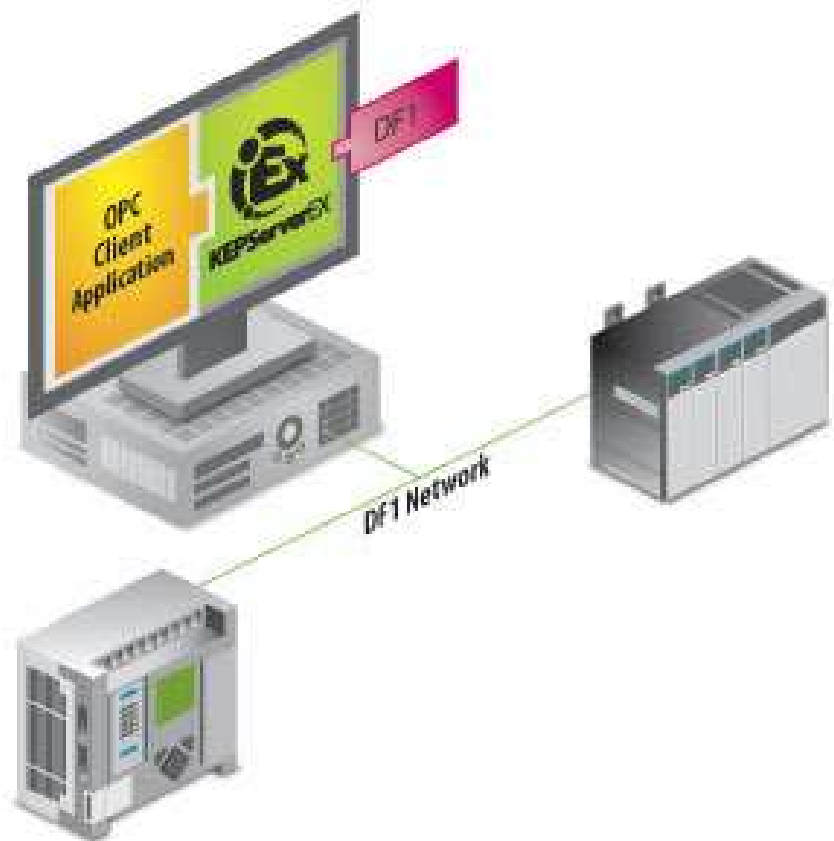


"THE WORLD LEADER IN COMMUNICATIONS FOR AUTOMATION!"

1-207-775-1660

## Allen-Bradley DF1 OPC Server

Kepware's Allen-Bradley DF1 device driver works in conjunction with our OPC/DDE Server, KEPServerEX to provide data exchange between OPC & DDE Clients and Allen-Bradley PLC5(20)/SLC500/MicroLogix compliant PLCs via DF1. The DF1 OPC Server has support for complex function blocks in the MicroLogix 1200/1500 PLCs. Half Duplex operation supports wide area radio modem links for all PLC types. KEPServerEX automatically optimizes your data acquisition based on client demand. Data integrity is ensured with our extensive error handling.



The Allen-Bradley DF1 OPC Driver is also included in the Manufacturing Suite.

### The Allen-Bradley OPC Server Suite includes:

- Allen-Bradley PLC5/SLC505 Ethernet OPC Server
- Allen-Bradley ControlLogix Ethernet OPC Server
- Allen-Bradley Data Highway Plus OPC Server
- Allen-Bradley Unsolicited Ethernet OPC Server
- Allen-Bradley DF1 OPC Server

**Plug-in Driver Features:**

- The Allen-Bradley DF1 OPC Server supports complex function blocks in the MicroLogix 1200/1500 PLCs
- Allen-Bradley DF1 Radio Modem support
- Half Duplex operation supports wide area radio modem links for all PLC types
- The Ethernet Encapsulation mode has been designed to provide communications with serial devices connected to terminal servers such as the Digi One IA or Kepware NetSLX on your Ethernet network
- Supports the USB based DF1 to DH PlusConverter: Allen-Bradley Catalog Number 1784-U2DHP

**Protocol**

- Full Duplex
- Half Duplex
- TCP/IP Ethernet Encapsulation

**Application Support**

- OPC Data Access (OPC DA) Versions 1.0a, 2.0, 2.05a, 3.0
- OPC Alarms and Events (OPC AE) Version 1.10
- OPC Unified Architecture (OPC UA) Version 1.01
- OPC Express Interface (OPC Xi) Version 1.00
- SuiteLink and FastDDE for Wonderware
- NIO Interface for iFIX
- DDE Format CF\_Text and AdvancedDDE

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**Supported Devices**

- MicroLogix 1100 - via DF1 Full and Half Duplex Serial Protocol
- MicroLogix 1200 - via DF1 Full and Half Duplex Serial Protocol
- MicroLogix 1400 - via DF1 Full and Half Duplex Serial Protocol
- MicroLogix 1500 - via DF1 Full and Half Duplex Serial Protocol
- MicroLogix 1000 -1500 1761 NET-ENI to DF1 - via 1761 NET-ENI adapter to Full Duplex DF1
- PLC5 Family NET-ENI to DF1 - Duplex DF1
- PLC5/10 - via DF1 Full and Half Duplex Serial Protocol
- PLC5/10 - via 1785 ENET/ENBT Side Car
- PLC5/15 - via DF1 Full and Half Duplex Serial Protocol
- PLC5/15 - via 1785 ENET/ENBT Side Car
- PLC5/20 - via DF1 Full and Half Duplex Serial Protocol
- PLC5/20 - via 1785 ENET/ENBT Side Car
- PLC5/20E - Ethernet Enabled Model
- PLC5/20E - via DF1 Full and Half Duplex Serial Protocol
- PLC5/25 - via DF1 Full and Half Duplex Serial Protocol
- PLC5/25 - via 1785 ENET/ENBT Side Car
- PLC5/30 - via DF1 Full and Half Duplex Serial Protocol
- PLC5/30 - via 1785 ENET/ENBT Side Car

### Supported Devices Continued

- PLC5/40 - via 1785 ENET/ENBT Side Car
- PLC5/40 - via DF1 Full and Half Duplex Serial Protocol
- PLC5/40E - via DF1 Full and Half Duplex Serial Protocol
- PLC5/40E - Ethernet Enable Model
- PLC5/60 - via DF1 Full and Half Duplex Serial Protocol
- PLC5/60 - via 1785 ENET/ENBT Side Car
- PLC5/80 - via 1785 ENET/ENBT Side Car
- PLC5/80 - via DF1 Full and Half Duplex Serial Protocol
- PLC5/80E - via DF1 Full and Half Duplex Serial Protocol
- PLC5/80E - Ethernet Enabled Model
- SLC5 Family 1761 NET-ENI to DF1 - via 1761 NET-ENI adapter to Full Duplex DF1
- LC5/03 - via DF1 Full and Half Duplex Serial Protocol
- LC5/04 - via DF1 Full and Half Duplex Serial Protocol
- SLC5/05 - via DF1 Full and Half Duplex Serial Protocol
- SLC5/05 - Ethernet Enabled Model

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### Additional Information and Resources:

- KEPServerEX OPC Server Features
- Allen-Bradley DF1 Revision History
- KEPServerEX Revision History
- Connecting Visual Basic to Allen-Bradley DF1
- System Requirements
- OPC Compliancy Testing
- KEPServerEX v5 Licensing
- Upgrade Pricing

### Related Products:

- Manufacturing Suite
  - LinkMaster OPC Bridging Software
  - DataLogger Option for KEPServerEX
  - Advanced Tag Option for KEPServerEX
  - RedundancyMaster OPC Redundancy Software
  - Service Agreement and Support Program
  - Service Agreement Pricing Options
  - Legacy Pricing Policy
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## Drivers "Plug-in" to KEPServerEX

The Allen-Bradley DF1 OPC Server is a plug-in device driver for KEPServerEX. A "Plug-in" is a software program (.dll) that extends the capabilities of KEPServerEX to fit the communication requirements of a specific device or system. The plug-in driver handles all of the proprietary communications between the device/system and the OPC layer, KEPServerEX. The KEPServerEX core then handles all OPC and Proprietary Client communications between the plug-in driver and the Client application. For a complete list of features and capabilities please visit the KEPServerEX overview page.

- OPC Foundation Certified - The Best of OPC on the Market
- High Performance - Multi Threaded - Runtime Configurable
- Detailed Protocol Diagnostics - Communications Trace
- Detailed OPC Diagnostics - Communications Trace
- Native Interfaces - Client Connectivity Beyond the OPC Standards
- Stratus High Availability Computing - Certified
- Marathon High Availability Computing - Certified
- Kepware 2 Hour Demonstration Mode on all Products

