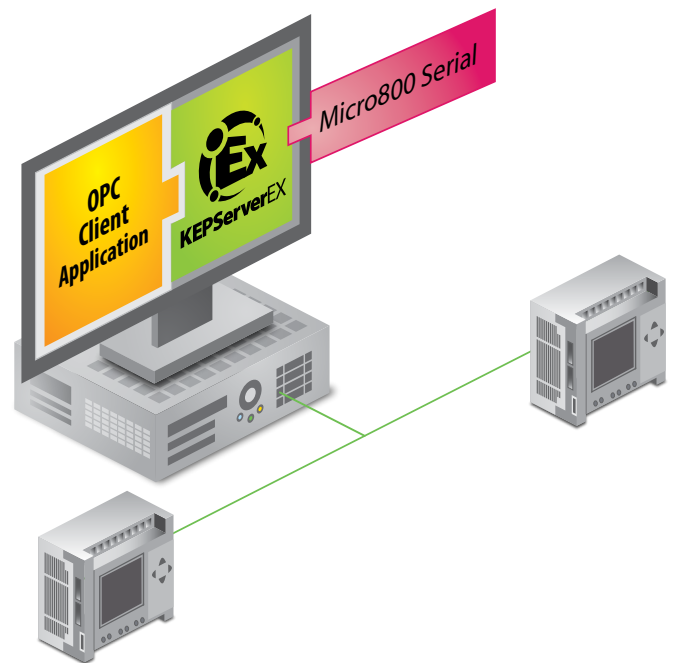# Allen-Bradley Micro800 Serial Driver
KEPServerEX – Communications Platform

The Allen-Bradley Micro800 Serial device driver works in conjunction with KEPServerEX, Kepware's OPC/DDE Server, to provide data exchange between OPC/DDE Clients and Allen-Bradley Micro810, Micro830, and Micro850 control systems via RS232/RS485.

Driver Features

- Supports Allen-Bradley Micro810, Micro830, and Micro850 devices.

- Utilizes the Rockwell Automation Fragmentation Protocol (CIP over DF1).

- Supports Ethernet Encapsulation.

- Supports Error Detection: Specify whether to use the Block Check Character or Cyclic Redundancy Checker method.

- Supports CIP Watchdog: Specify the amount of time that a connection can remain idle before being closed by the controller.

- Supports Project Options: Specify the data type that will be assigned to a Client/Server Tag when the default type is selected during tag addition, modification, or import.

- Supports Data Access Options: Specify the number of atomic array elements that will be read in a single transaction.

- Supports Native Tags, including Global Tags, Program Tags, and Structured Tags.

- Supports Advanced Addressing.

- Optional UDT substructure aliasing and array element blocking for performance and communications optimization.

![KEPServerEX logo] **KEPServer**EX

Proven Interoperability

- **150+ Communication Drivers with More than 250 Unique Protocols.**
- **Supports Open Standard Interfaces:**
  - **DDE Formats:** CF_Text, XL_Table, Advanced DDE, and Network DDE.
  - **OPC Alarms and Events (OPC AE):** 1.0 and 1.10.
  - **OPC Data Access (OPC DA):** 1.0a, 2.0, 2.05a, and 3.0.
  - **OPC .NET:** 1.20.2.
  - **OPC Unified Architecture (OPC UA):** 1.01.
  - **Thin-Client Terminal Server:** Windows Remote Desktop.
- **Supports Native Vendor Interfaces:**
  - Wonderware FastDDE & SuiteLink.
  - GE NIO for iFIX.
  - Oracle.
- **Advanced OPC and Channel Diagnostics.**

Centralized Communications

- **Single Server Platform for All Communications.**
- **Consistent, User-Friendly Interface.**
- **Automatic Tag Generation.**
- **CSV Import/Export.**
- **Advanced Tags for Linking and Computations.**
- **Write Optimization and Error Recovery.**
- **Advanced User Management.**

On-Demand Scalability

- **Plug and Play Device Drivers and Communication Options.**
- **Parallel Configuration and Live Operation via Separate Configuration and Runtime.**
- **Multi-Threaded Channel Architecture.**

Industrial Strength

- **OPC Certified Compliance.**
- **Strict Internal Quality and Control Standards.**
- **Media Level Redundancy.**
- **Endorsed by 15 Top OEMs.**

Requirements

Supported Operating Systems

- ☑ Windows 8
- ☑ Windows 7 Professional/Enterprise/Ultimate
- ☑ Windows Server 2012
- ☑ Windows Server 2008 and 2008 R2
- ☑ Windows Vista Business/Enterprise/Ultimate
- ☑ Windows Server 2003 SP2
- ☑ Windows XP Professional SP2

Minimum PC Hardware Requirements

- ☑ 2.0 GHz Processor.
- ☑ 1 GB installed RAM.
- ☑ 180 MB available disk space.
- ☑ Ethernet Card.
- ☑ Super VGA (800x600) or Higher Resolution Video.

About Kepware

Kepware Technologies, established in 1995, develops a wide range of communication and interoperability software solutions for the Automation industry. Our flexible and scalable solutions help connect, manage, monitor, and control diverse automation devices and software applications. Our industry-endorsed software solutions improve operations and decision-making throughout all levels of an organization. Kepware Technologies' mission is to be your standard for connectivity by developing Advanced Communications for Automation.

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