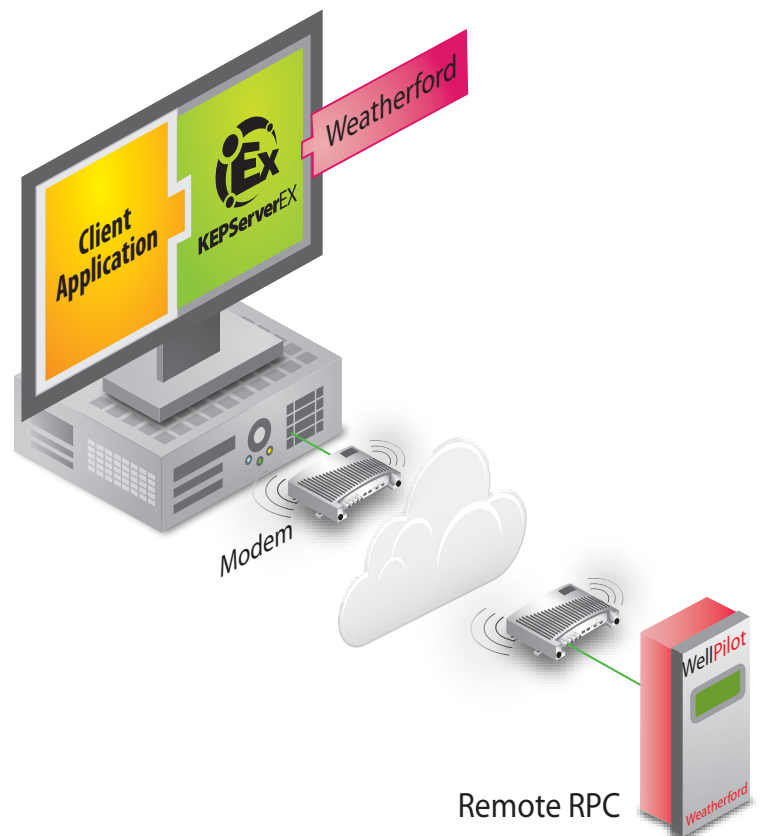# Weatherford 8500 Serial Driver
## KEPServerEX – Communications Platform

KEPServerEX and the Weatherford 8500 Serial Driver are flexible and scalable solutions for connecting, managing, monitoring, and controlling various Weatherford Rod Pump Controllers (RPC) and other Weatherford devices used at wellhead facilities. Client communications are managed through a robust platform that supports an array of open standards, proprietary communication protocols, APIs, and automation system interfaces. KEPServerEX improves operations and decision-making throughout all levels of an organization.

## Driver Features

- Supports the WellPilot RPOC, WellPilot ePIC VSD, ePIC RPC, M2000 8500, 8650, 8750, and 8800 Devices.

- Supports Data Acquisition for Downhole Dynagraph Data.

- Supports Event Directory Retrieval.

- Supports Surface and Downhole Card Retrieval.

- Supports Up to 256 Communication Channels.

- Supports Up to 4095 Devices/Controllers.

- Supports Device Level and Communications Path-Based Redundancy.

- Supports Ethernet Encapsulation.

- Automatic Tag Generation.

- Automatic Device Demotion.

- Valve Check Data Item Syntax.

- Optimized for Extreme Conditions (Such As Noisy Communication Channels and Low-Bandwidth).

- Modem Support (Automatic Dial Configuration and Multiple Phone Number Management).

# KEPServerEX

## 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.**
- **Endorsed by 15 Top OEMs.**

## Requirements

### Supported Operating Systems

- ☑ Windows 7
- ☑ Windows Server 2008
- ☑ Windows Vista Business/Ultimate
- ☑ Windows Server 2003 SP2
- ☑ Windows XP 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 reliable, user-friendly, high-performing applications connect disparate software and hardware systems. Communications are managed through robust software platforms that support an array of open standards, propriety communication protocols, APIs, and automation systems' interfaces. We strive to deliver ideal-fit solutions that are designed and tested to meet the demands of industrial automation applications. Our quality software applications improve operations and decision-making throughout all levels of an organization. Kepware Technologies' mission is to become "Your Standard for Connectivity."

## Contact Information

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