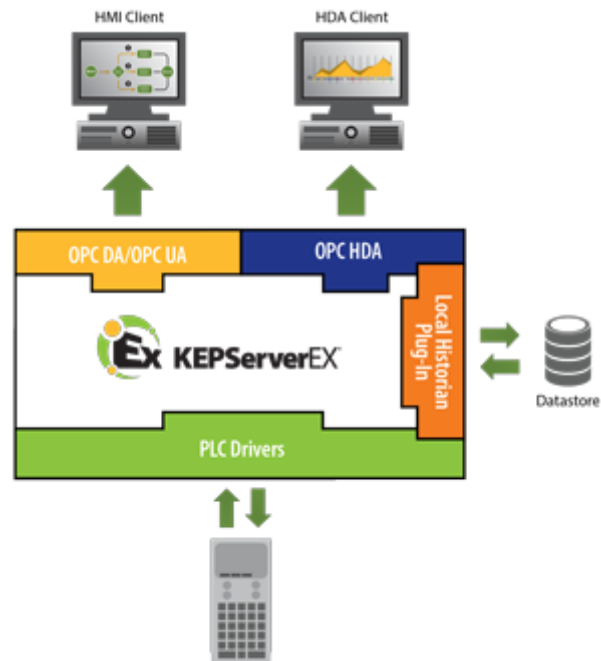1-207-775-1660

kepware ®
TECHNOLOGIES
"THE WORLD LEADER IN COMMUNICATIONS FOR AUTOMATION"

Local Historian Plug-In for KEPServerEX

The Local Historian Plug-In moves data collection, storage, and access closer to the data source to prevent data loss and improve operational efficiency via open access and a single product solution. By plugging into the KEPServerEX communications platform, the Local Historian can connect to any device and add devices in real-time without operational downtime. Its plug-in architecture simplifies configuration, provides flexibility, and makes the information accessible across OPC HDA (an open standard).

Plug-In Driver Features:

- Collects data consisting of a value, quality, and timestamp from any data source in the server (such as drivers, plug-ins, or system tags)
- Collects from both static and dynamic server tags
- Supports persistence to a volume on the local machine (which can be a fixed drive or removable media)
- Supports access to historical data via OPC HDA 1.20
- Supports data timestamps with one millisecond resolution
- Supports configurable data collection scan rates as frequent as 10

Protocol:

- OPC HDA 1.20 client access
    - Supported IOPCHDA_Server Interface Functions:
        - GetAggregates
        - GetHistorianStatus
        - GetItemAttributes
        - GetItemHandles
        - ReleaseItemHandles
        - ValidateItemIDs
        - CreateBrowse (except filtering)
    - Supported IOPCHDA_SyncRead Interface Functions:
        - ReadAttribute
        - ReadProcessed (AVERAGE only)
        - ReadRaw

        *The supported ReadProcessed aggregate is

milliseconds

- Supports collection deadband
- Has a configurable data retention policy
- Imports historical data that has been backed up and removed from active use
- Has a built-in historical data viewer for quick troubleshooting
- Supports tiered licensing for up to 10,000 tags

AVERAGE.

o Supported IOPCHDA_Browser Interface Functions:
  - GetEnum
  - ChangeBrowsePosition
  - GetItemID
  - GetBranchPosition

Drivers "Plug In" to KEPServerEX

The Local Historian Plug-In for KEPServerEX 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 and Runtime Configurable
- Detailed Protocol and OPC Diagnostics with communications trace
- Native Interfaces: Client Connectivity Beyond the OPC Standards
- Certified Stratus High Availability Computing
- Certified Marathon High Availability Computing
- 2 Hour Demonstration Mode on all Kepware products

KEPServerEX