

2500-OPC KEPServerEX

OPC and Communications Server



Description

2500-OPC is an OPC and Communications Server enabling Ethernet communications between Windows-based PC applications and the CTI 2500 Series™ PLC system. 2500-OPC works with the Ethernet communications ports on 2500-Cxxx Processors and 2572 / 2572-A Ethernet Adapter Modules.

Features

OPC Connection Security

The Secure by Default feature enables users to select whether or not the server should respect the DCOM security settings as they appear in the DCOM Configuration Utility. When this setting is enabled, users can select the authentication, launch and access security requirements through the DCOM Configuration Utility. This allows users to specify the level of security they want to implement and also restrict access for certain users and/or applications.

Process Mode

KEPServerEX runtime Process features are used to specify how the servers runtime process mode will operate and utilize PC resources. It is used to specify whether the server will be running as System Service or Interactive.

KEPServerEX also allows you to set its own process priority giving the server priority access to resources.

Processor Affinity

This parameter allows the user to specify which CPUs the server can be executed on when it is run on PCs containing more than one.

Host Name Resolution

KEPServerEX allows for host name resolution which is an alias assigned to identify a TCP/IP host or its interfaces. Host names are used in all TCP/IP environments and user can specify host name instead of an IP address when using KEPServerEX v5.

OPC UA (Unified Architecture)

KEPServerEX supports OPC UA Client Connections and the OPC DA data set.



OPC AE (Events)

KEPServerEX exposes event log data (Events) to OPC AE Client applications. The Event server works in runtime and service



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modes supporting 3 Event categories (Information, Warning, Error). KEPServerEX also supports AE client filtering by event type, severity, and category and is OPC Compliant.

Server Administration Properties

The User Management system of the server controls what actions a user can take within a server project. The User Properties dialog is used to configure the name, password and privileges available for each account.

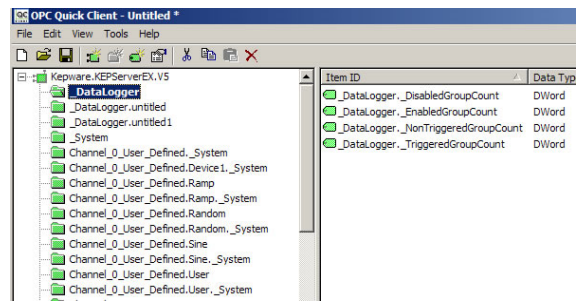
Auto Demotion

The Device Auto-Demotion parameters allow a driver to temporarily place a device off-scan in the event that a device is not responding. By placing a non-responsive device off-line, the driver can continue to optimize its communications with other devices on the same channel by stopping communications with the non-responsive device for a specific time period. After the specific time period has been reached, the driver will re-attempt to communicate with the non-responsive device. If the device is responsive, the device will be placed on-scan, otherwise it will restart its off-scan time period.

Application Connectivity

KEPServerEX has been enhanced to provide the widest range of connectivity of any server product available. KEPServerEX supports the following client server technologies:

- OPC Data Access (DA) Version 1.0a
- OPC Data Access (DA) Version 2.0
- OPC Data Access (DA) Version 2.05a
- OPC Data Access (DA) Version 3.0
- OPC Alarms and Events (AE) Version 1.10
- OPC Unified Architecture (UA) Version 1.01
- [OPC Express Interface \(Xi\) v1.00](#) - Beta
- FastDDE for Wonderware
- SuiteLink for Wonderware
- DDE Format CF_Text
- DDE Format AdvancedDDE
- NIO Interface for iFIX



OPC Quick Client

KEPServerEX includes an extensive OPC Quick Client application to aid in the development of your OPC applications. The Quick Client is a full-featured OPC client that supports all of the operations available in any OPC client application. Using the Quick Client you can access all of the data available in your server application including system, diagnostic, and user defined tags. The Quick Client allows you to read and write data, perform structured test suites, and test server performance. The Quick Client's comprehensive error reporting provides detailed feedback regarding any OPC errors returned by the server helping diagnose common OPC Client/Server issues.