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OPC Server for Honeywell C-Bus

The OPC Server by KZK Ltd. for Honeywell C-Bus is an ideal solution for system integrators looking to provision OPC connectivity with the Honeywell Excel 5000 family controllers. The OPC server can be installed on Windows 95 / 98 / 2000 / XP / Vista7.

Key Benefits

- **Compliance** - the server is fully compliant with OPC Data Access Standard version 1.0a and 2.04. The Excel alarms are managed by OPC Alarms and Events Specification 1.10.
- **Compatibility** - the server is fully compatible with the Excel 5000 family DDC controllers. There is also available separate OPC Server for Excel EMC and IRC Multicontrollers.
- **Connectivity** - connect the server to C-BUS in parallel with Excel Building Supervisor (XBS), Excel Building Supervisor-Integrated (XBS-i) and Enterprise Buildings Integrator (EBI).
- **Flexible sizing** - the server is available in versions for 255, 1.000, 2.000, 5.000, 10.000 and 20.000 points.
- **Scalability** - the server can manage up to 80 intelligent converters with maximum of 240.000 points.

Key Features

- Built-in simulation mode for testing
- Ability to synchronize date and time of Excel controllers
- Response time up to two second by Change of Value (COV) Exception reporting! (firmware 1.5.xx or higher is required for XL-Controllers)
- ActiveX Control for editing Time Programs via TCP/IP
- The client's configuration is performed by using names
- The server performs value change notification and cycle reading of defined points (User Address) in PAR file
- Reading and Writing from DDC points of type: Analog Input/Output, Digital Input/Output, Totalizer, Multistate, Pulse, Pseudo (Virtual) Digital/Analog/Totalizer including extended attributes e.g. LowLimit1, LowLimit2, HighLimit1, HighLimit2, AlarmDelay, SensorOffset, etc.

C-Bus to LAN interface

The Ethernet solution is based on a communication sub-module from Lantronix Ltd. By encapsulating serial data and transporting it over Ethernet, the CoBox sub-module allows for virtual serial links to be established over Ethernet. The COM Port Redirector™ driver creates a virtual direct link connection between the OPC Server and the Intelligent External Converter over Ethernet via TCP/IP. The COM Port Redirector™ driver also enables the creation of virtual serial ports (such as COM4), which can be mapped to the remote RS-232 and RS-485 interfaces of IEC that are usually used for connections between IEC and PC, without using the Ethernet sub-module.



Interoperability

The functionality has been tested with the following OPC Clients:

- Reliance 3.5.4 – GEOVAP, Inc.
- WinCC 6.0 – SIEMENS, AG
- FactoryLink 7.0 – USDATA, Inc.
- InTouch OPC Link 7.2 - Wondeware, Inc.
- Wizcon OPC Client 8.1 - Axeda, Inc.
- Niagara OPC Client 1.0 - Tridium, Inc.
- RSView32 6.2 - Rockwell Software, Inc.
- GENESIS32 6.0 - ICONICS, Inc.
- iFIX Dynamics 3.0 – Intellution, Inc.
- Citect OPC Client 5.3 - Ci Technologies, Inc.
- CIMLICITY HMI 6.0 - GE Fanuc, Inc.
- SymmetrE 310.1 - Honeywell, Inc.

Excel 5000 DDC Time Programs

The integral part of the OPC Server is the ActiveX component for editing Time Programs. The Time Programs implement a control strategy for changing the values of data points depending on time sequences. All you need is to simply insert the ActiveX Control into your SCADA/HMI system. Your SCADA/HMI system must be support ActiveX technology. In addition, you have to set the correct IP address and TCP port of the OPC Server for the TCP/IP communication between the ActiveX Control and OPC Server. You can access Time Programs that is stored in Excel 5000 controllers from the multiple hosts concurrently.

How to order:

SOL-OPC-SER-255	C-Bus to RS-232 (RS-485) IEC + software
SOL-OPC-ETH-255	C-Bus to Ethernet IEC + soft.
SOL-OPC-UPG-1000	Upgrade to 1000 points
SOL-OPC-UPG-2000	Upgrade to 2000 points
SOL-OPC-UPG-5000	Upgrade to 5000 points
SOL-OPC-UPG-10000	Upgrade to 10000 points
SOL-OPC-UPG-20000	Upgrade to 20000 points
SOL-OPC-SER	C-Bus to RS-232 (RS-485) IEC
SOL-OPC-ETH	C-Bus to Ethernet IEC
SOL-OPC-ETH-UPG	Ethernet sub-module for SOL-OPC-SER



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