

## Modbus TCP OPC Server

Quick and easy access to Modbus devices via Ethernet

High-performance, reliable, and easy-to-use solution for integrating the data of Modbus devices and systems via OPC and Ethernet. Suitable for Windows and non-Windows systems. Remote access to diagnostic information and selected process data through standard web browser.

### **UNIVERSAL DATA ACCESS AS MODBUS CLIENT OR SERVER**

The Modbus TCP OPC Server from Softing exposes 'its' data to any application that has an integrated OPC client. Typical applications are visualization and SCADA systems. The OPC server can be used as both a Modbus client or Modbus server. The input and output registers and coils are accessed via Ethernet. To provide data from controllers and control systems, you can simply integrate the OPC server into the Modbus system as a device.

### **FAST AND EASY COMMISSIONING**

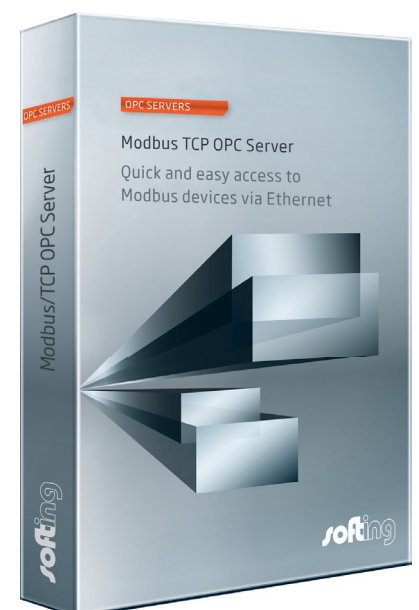
The easy-to-use user interface makes short work of configuring your installation. And if you transfer the prepared configuration data via Microsoft Excel, you can save even more setup and commissioning time. To render your project more user friendly, the OPC items can be referenced with aliases that relate directly to the actual installation.

### **RELIABLE, HIGH-PERFORMANCE CONNECTIVITY - EVEN FOR DISTRIBUTED SYSTEMS**

The intelligent compilation of read and write requests significantly enhances the data throughput. It also includes a web server with extensive diagnostic options and visualization functionality, that provides remote access through standard web browsers. The OPC server supports the OPC Data Access specifications and OPC XML-DA. This way, you can use the OPC items on systems running non-Windows platforms. The integrated OPC Tunnel provides stable communications in distributed systems even across firewalls - without struggling with DCOM settings.

### **CUSTOMER BENEFITS**

- > Universal data access as Modbus client or server
- > Easy and time-saving commissioning
- > Reliable communication links with high performance data throughput



## TECHNICAL DATA

Role as bus device	Simultaneous use as Modbus client and Modbus server
Communication type	– Access to process data of the Modbus controller via Ethernet – Access to process data of the Modbus devices via Ethernet
OPC specifications	Data Access 1.0a, 2.05, 3.0 and OPC XML-DA
OPC interfaces	– All mandatory interfaces defined in the Data Access specification – Dynamic namespace containing items created by the OPC client – Static namespace through import of names from a text or Excel file
OPC data types	VARIANT data types UI1, I1, UI2, I2, UI4, I4, R4, R8, BOOL as well as arrays of these data types, BSTR
Modbus data types	BOOL/BIT, BYTE, UINT, WORD, INT, DUINT, DWORD, DINT, REAL, DINT_BIGENDIAN, DUINT_BIGENDIAN, DWORD_BIGENDIAN, REAL_BIGENDIAN, DOUBLE, DOUBLE_BIGENDIAN
Implementation types	OutProc server, service
Memory addresses	Digital (coil) output - 0, digital (coil) input - 1, register input - 3, register output - 4
Security	– Automatic connection monitoring – Integrated OPC Tunnel to avoid DCOM
Configuration	– Creation of OPC items in MS Excel – Support of aliasing
Hardware requirements	Windows enabled PC with Ethernet card for PCs
Operating systems	Windows NT/2000/XP/2003 Server, VISTA, 2008 Server with the latest service packs
Documentation	Online help in English and German

## ORDER NUMBER

OPC-MODB-TCP	Modbus/TCP OPC Server, software based activation key
LIC-USB-1	Option, activation key on USB hardware key

Softing is a world-leading provider of industrial communication solutions and products designed around the needs of process and production automation. With our interdisciplinary approach and our many years of experience, we offer effective solutions to meet even the most complex requirements.

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