



ProConOS® OPC-SERVER 2.1 AND GATEWAY 1.0

The ProConOS® OPC-Server is responsible for the data exchange between Windows® applications (e.g. visualization, data base, etc.) and ProConOS® PLCs via the manufacturer independent client/server interface OPC (OLE for Process Control).

The ProConOS® OPC-Server and the OPC client(s) can be installed either on a PC or distributed over the whole network. The communication connections between the ProConOS® OPC-Server and ProConOS® PLCs are made via the TCP/IP protocol or via a serial RS232 connection.

The ProConOS® Gateway enables a remote access on ProConOS® PLCs via the TCP/IP by the Internet or over Ethernet subnets.

ProConOS® Gateway offers an increase in the availability of machines and plants, as various tasks can be executed from any desired location, such as:

- Control and analysis of PLCs
- Download and activation of new PLC programs
- reconfiguration of and bug-fixing in PLC plants

ProConOS® OPC-SERVER 2.1

- The ProConOS® OPC-Server will run on Windows-Desktop platforms and Windows CE devices.
- Supported interface standards DA 1.0A and 2.05, certified by the latest OPC Foundation specifications and tools.
- The OPC-Server provides automatic remote configuration by uploading the configuration data during start up from the target device (ProConOS® PLC).
- The data exchange can be executed simultaneously with several ProConOS® PLCs within the network.
- In case of project changes with the process running, the OPC-Server is automatically updated in order to offer a data exchange to the OPC client without any interrupts.
- The OPC client receives all available global and instance variables via a flat and hierarchic browse interface, including the complete instance information, also if no online connection to the PLC is established.
- For the configuration of the ProConOS® OPC-Server a comfortable tool is available.

ProConOS® GATEWAY 1.0

- ProConOS® Gateway allows the communication between MULTIPROG® and ProConOS® PLCs to be routed via subnets without having to consult the network administrator.
- The access on LANs and subnets via ProConOS® Gateway can be realized via the cheap and world-wide available communication media Internet.
- A point-to-point connection to a ProConOS® Gateway via the public or internal phone network allows a secure access on the internal LAN and its subnets.
- All active connections are clearly displayed; thus it is possible to call detailed information. This allows the easy realization of control tasks for the functionality of the ProConOS® Gateway.
- The user authorization to a ProConOS® PLC can be individually fixed for each communication connection. This way the operational safety is increased due to authorized access.

SYSTEM SPECIFICATION ProConOS® OPC-SERVER 2.1

PC/CE System		Desktop PC	CE Device
	Processor	Min. Pentium 90	StrongARM, Pentium
	RAM	Min. 16 MByte	Min. 8 MByte
	Hard disk memory	Min. 2 MByte free	Min. 800 KByte free
	Communication	TCP/IP and/or RS232	
Operating systems	Windows® NT4.0 (> SP 5) Windows® 2000 SP 2 Windows® XP	Windows® CE 3.0 / 4.x / 5.0 (DCOM and MFC support required)	
OPC Specification	DA 1.0a and DA 2.05		
System Limits	Max. number of OPC groups		32
	Max. number of items per resource		4500
	Max. number of resources		32
	Max. number of available items in the OPC-Server		20000
	Support of arrays of elementary data types		√
Support of arrays of structured data types (as byte-stream)		√	
Performance Data ⁽¹⁾	Desktop PC: AMD 1,3 GHz, Win 2000, local TCP/IP communication		35 ms
	ARM CE device: StrongARM 1110 206 MHz, Win CE 3.0, TCP/IP communication		550 ms
	Intel CE device: Pentium II 350 MHz, Win CE 3.0, TCP/IP communication		250 ms

⁽¹⁾ OPC-Server running on the specified platform, reading 500 items which are always changed by the PLC

SCOPE OF SUPPLY FOR ProConOS® OPC-SERVER 2.1

- Software on CD ROM
- License agreement with softkey for ProConOS® OPC Server 2.1
- User manual for ProConOS® OPC-Server 2.1 as PDF file

ORDERING INFORMATION

Order number	Designation
1-4021-1201-101-E00	ProConOS OPC-Server 2.1 Desktop
1-4021-1201-401-E00	ProConOS OPC-Server 2.1 Win CE 4.1/Intel
1-4021-1201-402-E00	ProConOS OPC-Server 2.1 Win CE 4.2/Intel
1-4021-1201-403-E00	ProConOS OPC-Server 2.1 Win CE 5.0/Intel
1-4021-1201-411-E00	ProConOS OPC-Server 2.1 Win CE 4.1/ARM
1-4021-1201-412-E00	ProConOS OPC-Server 2.1 Win CE 4.2/ARM
1-4021-1201-413-E00	ProConOS OPC-Server 2.1 Win CE 5.0/ARM

SYSTEM SPECIFICATION ProConOS® GATEWAY 1.0

PC System	Processor	Min. Pentium 90
	RAM	Min. 2 MByte
	Hard disk memory	Min. 1 MByte free
	Communication	TCP/IP
	Operating systems	Windows® NT4.0 (> SP 5) / 2000 (SP 2) / XP
System Requirements	MULTIPROG® 2.1 or higher	
	ProConOS® OPC-Server 1.1 or higher	

SCOPE OF SUPPLY FOR ProConOS® GATEWAY 1.0

- Software on CD ROM
- License agreement with softkey for ProConOS® Gateway 1.0
- User manual for ProConOS® Gateway

ORDERING INFORMATION

Order number	Designation
1-4110-1201-101-E00	ProConOS Gateway 1.0

KW-Software GmbH
Lagesche Straße 32
32657 Lemgo
Germany
Phone +49 5261 9373-0
Fax +49 5261 9373-26
Email info@kw-software.com

www.kw-software.com