



Product Data Sheet

S5PGPORT Communication Server

The Klinkmann **S5PGPORT Communication Server** is a Microsoft Windows application program that acts as a communication protocol *Server* and allows other Windows application programs to access the data from SIEMENS SIMATIC S5 Programmable Logic Controllers (S5-95U, S5-115U, S5-135U, S5-155U, Sinumerik 840C) using SIMATIC S5 Programming Port Interface.

Any Microsoft Windows program that is capable of acting as a DDE, FastDDE, SuiteLink or OPC *Client* may use the S5PGPORT Server.

There are following S5PGPORT Server versions available:

- S5PGPORT DDE & Suite Link Server,
- S5PGPORT OPC & DDE Server.

FEATURES

The **OPC** support for S5PGPORT Server OPC & DDE version conforms to OPC Data Access Custom Interface Specification 2.04. The S5PGPORT Server OPC & DDE version is tested for compliance and is compatible with OPC Foundation OPC Data Access Compliance Test Tool.

The S5PGPORT Server DDE & Suite Link version (if running on MS Windows NT) supports the Wonderware **Suite Link** communication protocol.

The S5PGPORT DDE Server can handle the complete list of SIEMENS Simatic S5 PLCs. To communicate with certain CPUs, the S5PGPORT Server has to know the type of CPU. The following selections are available:

Simatic S5 135U with CPU 922, 928, 928B.

Simatic S5 115U with CPU 945 or Simatic S5 155U with CPU 946 or CPU 947.

Sinumerik PLC with CPU 840C.

All remaining Simatic S5 PLCs with CPUs not listed above (default setting).

The S5PGPORT DDE Server uses an item/point naming convention, based on the two - letter data type identifiers, used to program Siemens PLCs.

Supports point - to - point communication between PLC and computer.

Minimizes system message traffic by dynamically calculating and optimizing poll lists to read only, client - requested items/points.

Supports multiple topics, allowing different data update rates for each PLC.

Provides a communication status flag for each topic.

Supports standard DDE among multiple applications.

SPECIFICATIONS

Hardware: For effective use the following is recommended - CPU: 586 133 MHz or faster, 32MB RAM or more. May require more memory to run other Windows programs simultaneously.

Software: MS Windows XP, Windows 2003 Server, Windows 7, Windows 2008 Server, Windows 2012 Server.

Computer Interface: RS-232 on computer side through the loop converter to PLC programming port.

Maximum Connections: One PLC can be connected to one serial port.

Devices Supported: S5-95U, S5-115U, S5-135U, S5-155U, Sinumerik 840C.

Accessible Point Types

The following are the supported Item/Point Types:

Data Blocks

Extended Data Blocks

Flags

Inputs

Outputs

Counters

Timers

Absolute Address

ORDERING INFORMATION

Description / Order Number

S5PGPORT DDE & Suite Link Server Manual & Disk Set / DR160 10

S5PGPORT OPC & DDE Server Manual & Disk Set / DR160 11



www.klinkmann.com

Helsinki

tel. +358 9 540 4940
automation@klinkmann.fi

St. Petersburg

tel. +7 812 327 3752
klinkmann@klinkmann.spb.ru

Moscow

tel. +7 495 641 1616
moscow@klinkmann.spb.ru

Yekaterinburg

tel. +7 343 287 19 19
yekaterinburg@klinkmann.spb.ru

Samara

tel. +7 846 273 95 85
samara@klinkmann.spb.ru

Kiev

tel. +38 044 495 33 40
klinkmann@klinkmann.kiev.ua

Riga

tel. +371 6738 1617
klinkmann@klinkmann.lv

Vilnius

tel. +370 5 215 1646
post@klinkmann.lt

Tallinn

tel. +372 668 4500
klinkmann.est@klinkmann.ee

Minsk

tel. +375 17 200 0876
minsk@klinkmann.com