

# PC WORX UA SERVER-PLC 40 - Driver and interface software



2402685

<https://www.phoenixcontact.com/us/products/2402685>

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OPC UA server for communication with a maximum of 25 controllers



## Product description

The PC WORX UA SERVER provides the variables of controllers that have been programmed with PC Worx to all OPC UA clients. All variables are mapped in the server according to the PLCopen profile. The variable names are automatically synchronized from the current project. The server supports all security profiles via the binary profile, thereby enabling all access to be regulated. A user-friendly configurator guides you through the configuration of controllers and security settings. Diagnostic information regarding active communication can also be displayed from another computer using the configurator.

## Your advantages

- Safety configuration with support from tools
- Detailed diagnostic features
- Direct access to all data types, arrays, and complex structures supported by PC Worx.
- Transparent access to redundant controllers
- Standardized access according to the PLCopen information model for IEC 61131-3

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2402685                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | DR13                           |
| Product key                          | DRDBAG                         |
| GTIN                                 | 4055626119441                  |
| Weight per piece (including packing) | 63.8 g                         |
| Weight per piece (excluding packing) | 63.8 g                         |
| Customs tariff number                | 49119900                       |
| Country of origin                    | DE                             |

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## Technical data

### Notes

#### General

|   |  |
|---|--|
| Information regarding the system requirements | Note the individual properties and requirements of the devices. Should you have any questions, please contact the Support team directly or the relevant contact person in Sales. |
| Information regarding the update rate         | Guaranteed update rates greatly depend on the selected controller, the control capacity, and the selected PC.  |

### Product properties

|                 |  |
|-----------------|--|
| Product type    | Drivers and interfaces   |
| Scope of supply | Packaging with license letter for single-user license (software via download)  |
| Basic functions | <ul style="list-style-type: none"><li>Data exchange according to DA profile spec 1.02 (2012)</li><li>Security Policies: None, Basic128RSA15, Basic256</li><li>Message Security: Mode none, sign, sign&amp;encrypt</li><li>Communication profile according to the PC-based server via binary protocol using TCP/IP</li><li>Easy access to arrays and structures</li><li>Variable mapping according to PLCopen profile spec 1.00</li><li>Data exchange with up to 25 controllers</li></ul> |
|                 |  |
|                 |  |

### System properties

|                                   |  |
|-----------------------------------|--|
| Intended use for the software     | Runtime license  |
| Information regarding the version | <ul style="list-style-type: none"><li>Valid for Version 1.1 (for features of older versions, please refer to the version information in the download area)</li><li>The versions of devices, other software packages or the operating system must be kept up to date.</li></ul> |

### License information

|   |  |
|---|--|
| Type of license                           | Single-user license  |
| Information regarding the type of license | License-free configurator. Server without license limited to one hour's runtime in demo mode |

### Functionality

|                 |  |
|-----------------|--|
| Basic functions | <ul style="list-style-type: none"><li>Data exchange according to DA profile spec 1.02 (2012)</li><li>Security Policies: None, Basic128RSA15, Basic256</li><li>Message Security: Mode none, sign, sign&amp;encrypt</li><li>Communication profile according to the PC-based server via binary protocol using TCP/IP</li><li>Easy access to arrays and structures</li><li>Variable mapping according to PLCopen profile spec 1.00</li><li>Data exchange with up to 25 controllers</li></ul> |
|                 | Analysis   |

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|                                     |  |
|-------------------------------------|--|
| Integrated function                 | Data acquisition<br>Communication<br>Configuration   |
| Supported controllers               | ILC 1xx<br>AXC 1xxx<br>AXC 3xxx<br>PC WORX RT  |
| Number of supported controllers     | max. 25  |
| Number of OPC items                 | max. 50000   |
| Number of OPC items/controller      | no limit, depends on the controller utilization<br>typ. 500 (for AXC 1xxx and ILC 1x1)<br>typ. 10000 (for AXC 3xxx, RFC 460R, and PC WORX BASIC/SRT) |
| Supported data types (standard)     | BOOL, BYTE, INT, DINT, UINT, SINT, USINT, UDINT, WORD, DWORD, REAL, LREAL, STRING, TIME according to IEC 61709                                       |
| Supported data types (user-defined) | ARRAY OF, STRUCTS, ARRAY OF STRUCT, STRUCT in STRUCT according to IEC 61131  |

## System requirements

|                       |   |
|-----------------------|---|
| Operating system      | Windows® 7 (32-Bit/64-Bit)<br>Windows® 8.1 (32-Bit/64-Bit)<br>Windows® 10 (32-Bit/64-Bit)<br>Windows® Server 2012<br>Windows® Server 2016 |
| Processor             | min. Intel® Core™ i3-2100 (2 GHz)   |
| Interfaces            | min. Gigabit Ethernet   |
| Languages supported   | English   |
| Software requirements | PC Worx Version 6 or later  |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27242504 |
| ECLASS-15.0 | 27242504 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002537 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 43232400 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|   |   |
|---|---|
| Fulfills EU RoHS substance requirements | Not applicable, No electrical and electronic equipment (EEE), cannot be used in EEE |
|---|---|

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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