

## Controller - PC WORX SRT - 2701680

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




This software PLC enables your PC to now handle all control tasks. Control your processes as required via PROFINET or Modbus/TCP

### Your advantages

- ✓ Engineering with PC Worx (IEC 61131-3)
- ✓ Integrated PROFINET controller and PROFINET device
- ✓ Numerous protocols supported such as: HTTP, FTP, SNMP, SMTP, SQL, MySQL, etc.
- ✓ Easy installation on Valueline industrial PCs
- ✓ FTP server
- ✓ OPC support using an AX OPC server
- ✓ Integrated web server for visualization with WebVisit



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 046356 779760 |
| GTIN                                 | 4046356779760   |
| Weight per Piece (excluding packing) | 80.000 g  |
| Custom tariff number                 | 85234910  |
| Country of origin                    | Germany   |

### Technical data

#### Functions

|                 |   |
|-----------------|---|
| Basic functions | Complete PLC  |
|                 | Non-realtime-capable software PLC for installation on a standard PC |

# Controller - PC WORX SRT - 2701680

## Technical data

### Functions

|  |   |
|--|---|
|  | with integrated Modbus/TCP, plus PROFINET-Controller and device functionality |
|--|---|

### Hardware requirements

|                     |                             |
|---------------------|-----------------------------|
| Hard disk           | min. 1 GByte                |
| RAM                 | min. 512 Mbyte              |
| CPU                 | min. Intel® Atom™           |
| Interfaces          | Ethernet Port               |
| Monitor resolution  | XGA (1024 x 768)            |
| Operating equipment | Keyboard, mouse recommended |

### Software requirements

|                    |                                      |
|--------------------|--------------------------------------|
| Operating system   | Windows® 7 (32-Bit/64-Bit)           |
|                    | Windows® 8.1 (32-Bit/64-Bit)         |
|                    | Windows® Embedded Standard 7         |
|                    | Windows® Embedded 2009               |
|                    | Windows® 10 (32-Bit/64-Bit)          |
| Supported browsers | Internet Explorer Version 8 or later |

### IEC-61131 runtime system

|                            |  |
|----------------------------|--|
| Application type           | Distributed control technology                       |
| Performance class          | Compact controller                                   |
| Programmable under         | PC WorX in IEC 61131                                 |
| Program memory             | 1 Mbyte  |
| Mass storage               | 1 Mbyte  |
| Retentive mass storage     | 48 kByte   |
| Number of data blocks      | depends on mass storage                              |
| Number of control tasks    | 8  |
| Number of timers, counters | depends on mass storage                              |
| Processing speed           | 5.5 µs (1 K mixed instructions, Intel® Atom™ Z510PT) |
|                            | 4 µs (1 K bit instructions, Intel® Atom™ Z510PT)     |
| Device function            | PROFINET controller, PROFINET device                 |
| Realtime clock             | Yes  |

## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27242501 |
|---------------|----------|

# Controller - PC WORX SRT - 2701680

## Classifications

### eCl@ss

|             |          |
|-------------|----------|
| eCl@ss 11.0 | 27242501 |
| eCl@ss 4.0  | 27248000 |
| eCl@ss 4.1  | 27248000 |
| eCl@ss 5.0  | 27242500 |
| eCl@ss 5.1  | 27242500 |
| eCl@ss 6.0  | 27242500 |
| eCl@ss 7.0  | 27242501 |
| eCl@ss 9.0  | 27242501 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000809 |
| ETIM 3.0 | EC000809 |
| ETIM 4.0 | EC001435 |
| ETIM 6.0 | EC000809 |
| ETIM 7.0 | EC000809 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 81111810 |
| UNSPSC 7.0901 | 81111810 |
| UNSPSC 11     | 81111810 |
| UNSPSC 12.01  | 43232401 |
| UNSPSC 13.2   | 43233603 |
| UNSPSC 18.0   | 43233603 |
| UNSPSC 19.0   | 43233603 |
| UNSPSC 20.0   | 43233603 |
| UNSPSC 21.0   | 43233603 |

## Accessories

### Accessories

#### Box PC

Industrial PC - VL2 BPC 1000 - 2403046



IP30-rated industrial box PC (BPC) with fanless design and Intel® Atom™ E3845 processor with up to 4 GB of RAM. Mass storage options include HDD and SSD.

## Controller - PC WORX SRT - 2701680

### Accessories

#### Industrial PC - VL BPC 2000 - 2402759



IP20-rated Valueline® industrial box PC (BPC) with fanless design. Energy-efficient Intel® quad-core Celeron® N2930 processor. Up to 8 GB of RAM. Mass storage options include CFast®, HDD, and SSD formats.

---

#### Industrial PC - VL BPC 3000 - 2400183



IP20-rated industrial box PC (BPC) with fanless design and Intel® Core™ i3-4010U processor. Up to 16 GB of RAM. Mass storage options include CFast®, HDD and SSD formats. PCI expansion slots are available.

---

#### Industrial PC - VL2 BPC 2000 - 2400332



IP30-rated Valueline® industrial box PC (BPC) with fanless design and Intel® Celeron® N2930 processor. Up to 8 GB of RAM. Mass storage options include HDD and SSD. A single optional PCI or PCIe slot is available.

---

#### Industrial PC - VL2 BPC 3000 - 2400492



IP30-rated industrial box PC (BPC) with fanless design and Intel® Core™ i3-4010U processor. Up to 16 GB of RAM. Mass storage options include HDD and SSD. A single optional PCI or PCIe slot is available.

---

#### Industrial PC - VL2 BPC 7000 - 2400333



IP30-rated Valueline® industrial box PC (BPC) with fanless design and Intel® Core™ i5-4300U processor with up to 16 GB of RAM. Mass storage options include HDD and SSD. A single optional PCI or PCIe slot is available.

---

### Drivers and interfaces

## Controller - PC WORX SRT - 2701680

### Accessories

#### Software - AX OPC SERVER - 2985945



AX OPC SERVER, communication interface for OPC-capable visualization with PC WORX-based controls.

---

#### Software - PC WORX UA SERVER-PLC 40 - 2402685



OPC UA server for communication with a maximum of 25 controllers

---

#### Software - PC WORX UA SERVER-PLC 80 - 2402686



OPC UA server for communication with a maximum of 200 controllers

---

### Industrial PC

#### Panel PC - VL2 PPC7 1000 - 2403708



IP65-rated Valueline® industrial panel PC (PPC) with 17.8 cm/7-inch TFT display, fanless design, and Intel® Atom™ E3845 processor. Up to 4 GB of RAM. Mass storage options up to 64 GB.

---

#### Panel PC - VL2 PPC9 1000 - 2403709



IP65-rated Valueline® industrial panel PC (PPC) with 22.9 cm/9-inch TFT display, fanless design, and Intel® Atom™ E3845 processor. Up to 4 GB of RAM. Mass storage options up to 64 GB.

---

## Controller - PC WORX SRT - 2701680

### Accessories

#### Panel PC - VL2 PPC12 1000 - 2403710



IP65-rated Valueline® industrial panel PC (PPC) with 30.7 cm/12.1-inch TFT display, fanless design and Intel® Atom™ E3845 processor. Up to 4 GB of RAM. Mass storage options up to 64 GB.

---

#### Panel PC - VL2 PPC 1000 - 2403047



IP65-rated Valueline® industrial panel PC (PPC) with fanless design and Intel® Atom™ E3845 processor. Up to 4 GB of RAM. Mass storage options include HDD and SSD.

---

#### Panel PC - VL2 PPC 2000 - 2400334



Valueline® industrial panel PC (PPC) with fanless design with IP66 degree of protection and Intel® Celeron® N2930 processor. Up to 8 GB RAM. Mass storage options include HDD and SSD. One slot for a PCI or PCIe card is available as an option.

---

#### Panel PC - VL2 PPC 3000 - 2400498



Valueline® industrial panel PC (PPC) with fanless design with IP66 degree of protection and Intel® Core™ i3-4010U processor. Up to 16 GB RAM. Mass storage options include HDD and SSD. One slot for a PCI or PCIe card is available as an option.

---

#### Panel PC - VL2 PPC 7000 - 2400346



IP66-rated Valueline® industrial panel PC (PPC) with fanless design and Intel® Core™ i5-4300U processor with up to 16 GB of RAM. Mass storage options include HDD and SSD. A single optional PCI or PCIe slot is available.

---

## Controller - PC WORX SRT - 2701680

### Accessories

#### Panel PC - DL PPC15 1000 - 2701665



IP65, VESA mounted, fanless industrial PC with LED-backlit 15-inch LCD display and single-touch resistive touch screen. Energy-efficient Intel® Atom™ processor. 2 GB RAM. HDD/SDD mass storage options with choice of operating system.

---

#### Panel PC - DL PPC15M 1000 - 2701666



IP65, VESA mounted, fanless industrial PC with LED-backlit 15" LCD display and multi-touch capacitive touch screen. Energy-efficient Intel® Atom™ processor. 2 GB RAM. HDD/SDD mass storage options with choice of operating system.

---

#### Panel PC - DL PPC15M 7000 - 2400017



Full IP65, VESA mounted, fanless industrial PC with LED-backlit 15-inch LCD display and multi-touch capacitive touchscreen. Powerful Intel® i7 processor and configurable RAM, mass storage and operating system options.

---

#### Panel PC - DL PPC18.5M 7000 - 2400015



Full IP65, VESA mounted, fanless industrial PC with LED-backlit 18.5-inch LCD widescreen display and multi-touch capacitive touchscreen. Powerful Intel® i7 processor and configurable RAM, mass storage and operating system options.

---

#### Panel PC - DL PPC21.5M 7000 - 2400016



Full IP65, VESA mounted, fanless industrial PC with LED-backlit 21.5-inch LCD widescreen display and multi-touch capacitive touchscreen. Powerful Intel® i7 processor and configurable RAM, mass storage and operating system options.

---

### Programming

## Controller - PC WORX SRT - 2701680

### Accessories

#### Software - PC WORX BASIC LIC - 2985275



Software package for PC-based automation solutions, PC WORX BASIC license, contains all 5 IEC languages, without MSFC compiler, max. 2048 byte input and output data, version-specific license key

---

#### Software - PC WORX PRO LIC - 2985385



Software package for PC-based automation solutions, PC WORX PRO license, contains all 5 IEC languages, with MSFC compiler, max 128 kB input and output data, version-specific license key

---

---