

### Product type designation



### CP 5624

COMMUNICATION PROCESSOR CP 5624 PCI EXPRESS X1 (3.3V) W. MASTER- A. SL.CONNEC. TO PB; INCL.DP-BASE SW,NCM PC: DP-RAM INTERF.F.DP-MASTER INCL. PG- AND FDL-PROTOCOL, SINGLE LICENSE F.1 INSTALLATION, R-SW, CLASS A;SW + ELECTR. MANUAL ON CD, 2-LANGUAGE (GER,ENG); SUPPORT FOR OPERATING SYSTEM SEE SIMATIC NET SW

### Transmission rate

#### Transfer rate

- |   |                          |
|---|--------------------------|
| • at the 1st interface / acc. to PROFIBUS | 9.6 kbit/s ... 12 Mbit/s |
| • at the 2nd interface / acc. to PROFIBUS | 9.6 kbit/s ... 12 Mbit/s |

### Interfaces

#### Number of electrical connections

- |   |   |
|---|---|
| • at the 1st interface / acc. to PROFIBUS | 1 |
| • at the 2nd interface / acc. to PROFIBUS | 1 |

#### Type of electrical connection

- |   |                             |
|---|-----------------------------|
| • at the 1st interface / acc. to PROFIBUS | 9-pin Sub-D socket (RS 485) |
| • at the 2nd interface / acc. to PROFIBUS | 9-pin Sub-D socket (RS 485) |

### Supply voltage, current consumption, power loss

#### Type of voltage / of the supply voltage

DC

#### Supply voltage

- |                          |       |
|--------------------------|-------|
| • 1 / from backplane bus | 3.3 V |
| • 2 / from backplane bus | 12 V  |

#### Relative symmetrical tolerance / for DC

- |            |     |
|------------|-----|
| • at 3.3 V | 9 % |
| • at 12 V  | 8 % |

#### Consumed current

- |   |        |
|---|--------|
| • 1 / from backplane bus / for DC / maximum | 0.75 A |
| • 2 / from backplane bus / for DC / maximum | 0.3 A  |

#### Active power loss

6.1 W

Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	5 ... 60 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-20 ... +60 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-20 ... +60 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	85 %
Protection class IP	IP00

Design, dimensions and weight	
Module format	PCI Express x1 (half length)
Width	21.6 mm
Height	126.3 mm
Depth	180.5 mm
Net weight	117 g
Number of plug-in cards of same design / plug-in / per PC station	4
Number of units / Note	FMS-5613 supports up to two CP 5603 / CP 5613 A2 / CP 5614 A2 / CP 5623 / CP 5624 processors

### Performance data

Performance data / open communication	
Software / for open communication / by means of SEND/RECEIVE / required	FDL driver included in scope of delivery of the CP
Number of possible connections / for open communication / by means of SEND/RECEIVE / maximum	80

Performance data / PROFIBUS DP	
Software / for DP master function / required	No
Service / as DP master	
<ul style="list-style-type: none"> <li>DPV0</li> </ul>	Yes
<ul style="list-style-type: none"> <li>DPV1</li> </ul>	Yes
<ul style="list-style-type: none"> <li>DPV2</li> </ul>	Yes
Number of DP slaves / on DP master / usable	124
Amount of data	
<ul style="list-style-type: none"> <li>of the address area of the inputs / as DP master / total</li> </ul>	30256 byte
<ul style="list-style-type: none"> <li>of the address area of the outputs / as DP master / total</li> </ul>	30256 byte
<ul style="list-style-type: none"> <li>of the address area of the inputs / per DP slave</li> </ul>	244 byte
<ul style="list-style-type: none"> <li>of the address area of the outputs / per DP slave</li> </ul>	244 byte
<ul style="list-style-type: none"> <li>of the address area of the diagnostic data / per DP slave</li> </ul>	244 byte

Software / for DP slave function / required	No
Service / as DP slave	
• DPV0	Yes
• DPV1	Yes
Amount of data	
• of the address area of the inputs / as DP slave / total	244 byte
• of the address area of the outputs / as DP slave / total	244 byte

#### Performance data / FMS functions

Software / for FMS communication / required	Yes, FMS-5613
Number of possible connections / for FMS connection / maximum	40

#### Performance data / S7 communication

Software / for S7 communication / required	Yes, HARDNET-PB S7 (S7-5613)
Number of possible connections / for S7/PG communication / maximum	50

#### Performance data / multi-protocol mode

Number of active connections / with multi-protocol mode	50
Number of configurable connections / per PC station	207

#### Product functions / management, configuration

Configuration software / required	Included in scope of supply
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#### Product functions / Diagnosis

Product function	
• Port diagnostics	Yes

#### Standards, specifications, approvals

Standard	
• for EMC	2004/108/EC
• for safety / from CSA and UL	CAN/CSA C22.2 & UL 60950-1
• for emitted interference	EN 61000-6-3, EN 61000-6-4
• for interference immunity	EN 61000-6-1, EN 61000-6-2
Certificate of suitability	
• CE marking	Yes
• C-Tick	Yes

#### Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>

- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/industrial-controls/mall>

<http://www.siemens.com/automation/net/catalog>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

## Security information

### Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

**last modified:**

16.03.2015