

**Product-type designation** **CP 5603**



COMMUNICATION PROCESSOR CP 5603 PCI-104 CARD (32 BIT; 3.3/5V) FOR CONNECT. TO PROFIBUS INCL. DP-BASE SOFTWARE WITH NCM PC; DP-RAM INTERFACE FOR DP-MASTER, INCL. PG- AND FDL-PROTOCOL; SINGLE LICENSE FUER 1 INSTALL., RUNTIME-SOFTWARE; SOFTWARE AND ELECTRONIC MANUAL ON CD-ROM, CLASS A, SUPPORT FOR OPERATING SYSTEM SEE SIMATIC NET SW GERMAN/ENGLISH

**Transmission rate**

Transmission rate  
 • at interface 1 / in accordance with PROFIBUS 9.6 kbit/s ... 12 Mbit/s

**Interfaces**

Number of electrical connections / at interface 1 / in accordance with PROFIBUS 1  
 Design of electrical connection / at interface 1 / in accordance with PROFIBUS 9-pin Sub-D socket (RS 485)

**Supply voltage, current consumption, power loss**

Type of DC  
 Supply voltage  
 • 1 / from backplane bus 5 V  
 Relative symmetrical tolerance  
 • at 5 V / with DC 5 %  
 Consumed current  
 • 1 / from backplane bus / with DC / maximum 0.66 A  
 Resistive loss 3.3 W

**Permitted ambient conditions**

Ambient temperature  
 • during operating 0 ... 70 °C

<ul style="list-style-type: none"> <li>during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-40 ... +70 °C
Relative humidity	
<ul style="list-style-type: none"> <li>at 25 °C / without condensation / during operating / maximum</li> </ul>	85 %
Protection class IP	IP00
<b>Design, dimensions and weight</b>	
Module format	PCI-104
Width	90 mm
Height	21 mm
Depth	96 mm
Net weight	80 g
Mounting type	Screw mounting
<b>Product properties, functions, components / general</b>	
Number of plug-in cards in the same design / can be plugged in / per PC station	3
Number of modules / note	FMS-5613 supports up to two CP 5603 / CP 5613 A2 / CP 5614 A2 / CP 5623 / CP 5624 processors
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
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 / overall</li> </ul>	30256 byte
<ul style="list-style-type: none"> <li>of the address area of the outputs / as DP master / overall</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	
<ul style="list-style-type: none"> <li>DPV0</li> </ul>	Yes
<ul style="list-style-type: none"> <li>DPV1</li> </ul>	Yes
Amount of data	
<ul style="list-style-type: none"> <li>of the address area of the inputs / as DP slave / overall</li> </ul>	244 byte
<ul style="list-style-type: none"> <li>of the address area of the outputs / as DP slave / overall</li> </ul>	244 byte
Software / for FMS communication / required	Yes, FMS-5613

Number of possible connections / for FMS connection / maximum  
 Software / for S7 communication / required  
 Number of possible connections / for S7/PG communication / maximum  
 Number of active connections / with multiprotocol mode  
 Number of configurable connections / per PC station  
 Product function / Port diagnostics

40  
 Yes, HARDNET-PB S7 (S7-5613)  
 50  
 50  
 207  
 Yes

### Standards, specifications, approvals

Standard

- for EMC
- for safety / of CSA and UL
- for emitted interference
- for interference immunity

2004/108/EC  
 CAN/CSA C22.2 & UL 60950-1, UL 508  
 EN 61000-6-3, EN 61000-6-4  
 EN 61000-6-1, EN 61000-6-2

Verification of suitability

- CE mark
- C-Tick

Yes  
 Yes

### Accessories

Accessories

optional: Expansion rack for SIMATIC Microbox and slide-in plate for SIMATIC S7 modular embedded controller

**letzte Änderung:**

Jul 21, 2014