

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

Transmission rate

- at interface 1 / in accordance with PROFIBUS 9.6 kbit/s ... 12 Mbit/s
- at interface 2 / in accordance with PROFIBUS 9.6 kbit/s ... 12 Mbit/s

Interfaces

Number of electrical connections / at interface 1 / in accordance with PROFIBUS	1
Number of electrical connections / at interface 2 / in accordance with PROFIBUS	1
Design of electrical connection / at interface 1 / in accordance with PROFIBUS	9-pin Sub-D socket (RS 485)
Design of electrical connection / at interface 2 / 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	3.3 V
• 2 / from the backplane bus	12 V
Relative symmetrical tolerance	
• at 3.3 V / with DC	9 %
• at 12 V / with DC	8 %

Consumed current	
• 1 / from backplane bus / with DC / maximum	0.75 A
• 2 / from backplane bus / with DC / maximum	0.3 A
Resistive loss	6.1 W
Permitted ambient conditions	
Ambient temperature	
• during operating	5 ... 60 °C
• during storage	-20 ... +60 °C
• during transport	-20 ... +60 °C
Relative humidity	
• at 25 °C / without condensation / during operating / 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
Product properties, functions, components / general	
Number of plug-in cards in the same design / can be plugged in / per PC station	4
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	
• DPV0	Yes
• DPV1	Yes
• DPV2	Yes
Number of DP slaves / on DP master / usable	124
Amount of data	
• of the address area of the inputs / as DP master / overall	30256 byte
• of the address area of the outputs / as DP master / overall	30256 byte
• of the address area of the inputs / per DP slave	244 byte
• of the address area of the outputs / per DP slave	244 byte
• of the address area of the diagnostic data / per DP slave	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 / overall	244 byte
• of the address area of the outputs / as DP slave / overall	244 byte
Software / for FMS communication / required	Yes, FMS-5613
Number of possible connections / for FMS connection / maximum	40
Software / for S7 communication / required	Yes, HARDNET-PB S7 (S7-5613)
Number of possible connections / for S7/PG communication / maximum	50
Number of active connections / with multiprotocol mode	50
Number of configurable connections / per PC station	207
Product function / Port diagnostics	Yes
Standards, specifications, approvals	
Standard	
• for EMC	2004/108/EC
• for safety / of 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
Verification of suitability	
• CE mark	Yes
• C-Tick	Yes
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