

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS SCALANCE

6GK1161-3AA01

INDUSTRIAL ETHERNET PROCESSOR

Used with the applicable SIMATIC NET PC communication configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official product documentation

Product type designation

CP 1613 A2
Communications processor CP 1613 A2 PCI card (32 bit; 33MHz/ 66MHz; 3, 3V/5V universal key) for connection to Industrial Ethernet (10/100 Mbit/s) with ITP and RJ 45-connection via HARDNET-IE S7 and S7-Redconnect. Operating system support see SIMATIC NET software



Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s
Interfaces	
Number of electrical connections	2
• at the 1st interface / acc. to Industrial Ethernet	
Type of electrical connection	
• at the 1st interface / acc. to Industrial Ethernet	RJ45 port / 15-pin ITP connection
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	
• 1 / from backplane bus	5 V
• 2 / from backplane bus	12 V
Relative symmetrical tolerance / at DC	
• at 5 V	5 %
• at 12 V	5 %
Consumed current	
• 1 / from backplane bus / at DC / maximum	0.45 A

• 2 / from backplane bus / at DC / maximum	0.5 A
Power loss [W]	4 W
Permitted ambient conditions	
Ambient temperature	
• during operation	5 ... 55 °C
• during storage	-20 ... +60 °C
• during transport	-20 ... +60 °C
Relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP00
Design, dimensions and weight	
Module format	PCI
Width	21.6 mm
Height	107 mm
Depth	167 mm
Net weight	140 g
Number of plug-in cards of same design / plug-in / per PC station	4
Number of units / Note	-
Performance data	
Performance data / open communication	
Software / for open communication / by means of SEND/RECEIVE / required	Yes, HARDNET-IE S7 (S7-1613)
Number of possible connections / for open communication / by means of SEND/RECEIVE / maximum	120
Performance data / S7 communication	
Software / for S7 communication / required	Yes, HARDNET-IE S7 (S7-1613)
Number of possible connections / for S7/PG communication / maximum	120
Number of possible connections / for optimized S7 communication / maximum	40
Performance data / multi-protocol mode	
Number of active connections / with multi-protocol mode	120
Number of configurable connections / per PC station	207
Performance data / PROFINET CBA	
Software / for PROFINET CBA communication / required	Yes, PN CBA OPC server
Number of remote connection partners / with PROFINET CBA	228
Number of connections / with PROFINET CBA / total	10000