



SIMATIC NET, CP 243-2 Communications processor for Connection of SIMATIC S7-22X to AS-Interface with Masterprofile M0E/M1E according to AS-i specification 2.11

General technical data

product designation		AS-Interface Master
product type designation		CP 243-2
protection class IP		IP20
type of electrical connection of the AS-Interface		Screw-type connection
type of voltage supply		via backplane bus
consumed current		
• from profile conductors of the AS-Interface		
— at 30 V maximum	mA	100
• from backplane bus maximum	mA	220
power loss [W]	W	3.7
insulation voltage rated value	V	500
product feature redundancy capability		No
product function suitable for AS-i Power24V		No
product function		
• web-based management		No
• diagnostics via email		No
• galvanic isolation		Yes
display version		
• as status display by LED		PWR, APF, CER, AUP, CM, SF
type of configuration of the AS-Interface		Set pushbutton on device, command interface

Communication/ Protocol

version of the AS-Interface specification		V 2.11
AS-Interface master profile is supported		M3 (in acc. with AS-interface specification V 2.1)
type of data transmission		S7-200 backplane bus
number of units per CPU maximum		2
number of interfaces		
• as AS-Interface		1
• according to RS 485		0
• according to Industrial Ethernet		0
• according to PROFINET		0
• according to wireless		0
• according to USB		0
• other		0
product component optical interface		No
protocol is supported		
• ASIsafe (Safety at work) protocol		No
• PROFIsafe protocol		No
• PROFIBUS protocol		No
• PROFINET IO protocol		No

• PROFINET CBA protocol		No
• TCP/IP		No
• SNMP		No
standard for wireless communication IEEE 802.11		No

Inputs/ Outputs

number of inputs for AS-Interface maximum		248
number of outputs for AS-Interface maximum		186
number of AS-i slaves per AS-Interface maximum		62
bus cycle time of the AS-Interface		
• for 31 slaves	ms	5
• for 62 slaves	ms	10
access to digital I/O data		via process image/peripheral addresses
access to analog I/O data		via process image/peripheral addresses

Mechanical data

width	mm	71
height	mm	80
depth	mm	62
fastening method		snap-on fastening on 35 mm DIN rail or screw fastening using an additional push-in lug
module format		S7-200 modular system

Ambient conditions

ambient temperature		
• if installed on horizontal mounting rail during operation	°C	0 ... 55
• if installed on vertical mounting rail during operation	°C	0 ... 45
• during transport	°C	-40 ... +70
• during storage	°C	-40 ... +70
relative humidity at 25 °C during operation maximum	%	95
installation altitude at height above sea level maximum	m	2 000

Safety related data

suitability for use safety-related function		No
explosion protection marking for intrinsic safety of related equipment		
• EEx ia		No
• EEx ib		No
explosion protection category for gas		II 3 G Ex nA IIC T4 Gc
explosion protection category for dust		none

Certificates/ approvals

General Product Approval	EMC	For use in hazardous locations	Marine / Shipping
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[Confirmation](#)



[Explosion Protection Certificate](#)



GL



PRS

other

[Confirmation](#)

Further information

Siemens has decided to exit the Russian market (see here).

<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=6GK7243-2AX01-0XA0>

Cax online generator

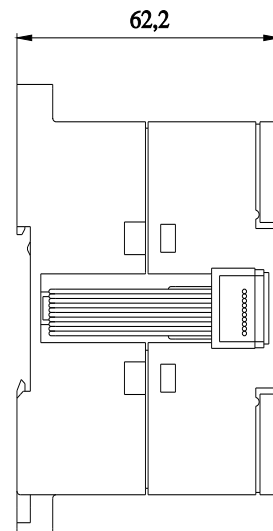
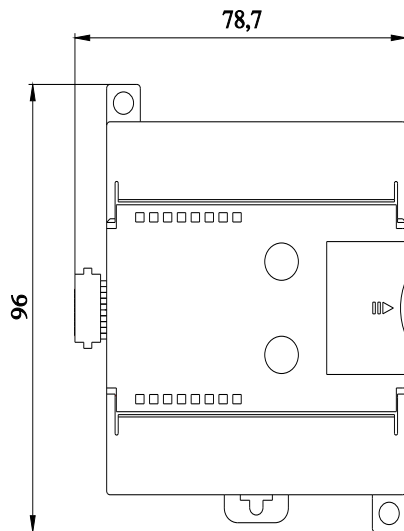
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK7243-2AX01-0XA0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/6GK7243-2AX01-0XA0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK7243-2AX01-0XA0&lang=en



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