



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 devices per AS-Interface maximum		62
bus cycle time of the AS-Interface		
• for 31 devices	ms	5
• for 62 devices	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	EMV	For use in hazardous locations
---------------------------------	------------	---------------------------------------

[Declaration of Con-
formity](#)



For use in hazardous locations	Maritime application	other
---------------------------------------	-----------------------------	--------------

[Miscellaneous](#)

[FM](#)



other	Environment	Industrial Communication
--------------	--------------------	---------------------------------

[Confirmation](#)

[Environmental Con-
firmations](#)



Further information

Information on the packaging

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

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

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

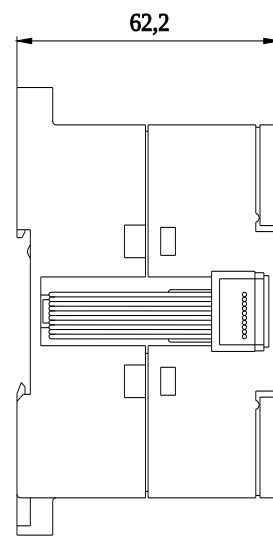
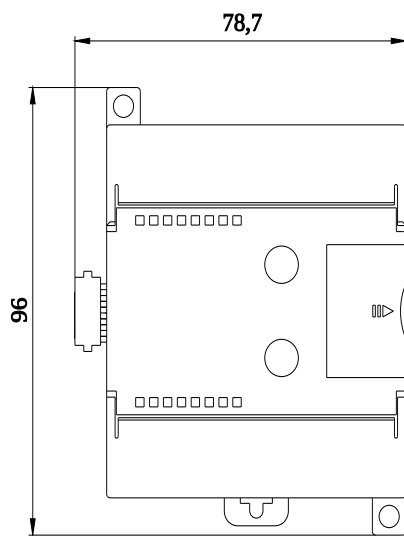
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK7243-2AX01-0XA0>

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, ...)

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



last modified:

4/1/2025 