



SIMATIC NET, CP 243-2 Communications processor for Connection of SIMATIC S7-22X to AS-Interface with Masterprofile MOE/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		
<ul style="list-style-type: none"> <li>from profile conductors of the AS-Interface                             <ul style="list-style-type: none"> <li>— at 30 V maximum</li> </ul> </li> </ul>	mA	100
<ul style="list-style-type: none"> <li>from backplane bus maximum</li> </ul>	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		
<ul style="list-style-type: none"> <li>web-based management</li> </ul>		No
<ul style="list-style-type: none"> <li>diagnostics via email</li> </ul>		No
<ul style="list-style-type: none"> <li>galvanic isolation</li> </ul>		Yes
display version		
<ul style="list-style-type: none"> <li>as status display by LED</li> </ul>		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		
<ul style="list-style-type: none"> <li>as AS-Interface</li> </ul>		1
<ul style="list-style-type: none"> <li>according to RS 485</li> </ul>		0
<ul style="list-style-type: none"> <li>according to Industrial Ethernet</li> </ul>		0
<ul style="list-style-type: none"> <li>according to PROFINET</li> </ul>		0
<ul style="list-style-type: none"> <li>according to wireless</li> </ul>		0
<ul style="list-style-type: none"> <li>according to USB</li> </ul>		0
<ul style="list-style-type: none"> <li>other</li> </ul>		0
product component optical interface		No
protocol is supported		
<ul style="list-style-type: none"> <li>ASIsafe (Safety at work) protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>PROFIsafe protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>PROFIBUS protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>PROFINET IO protocol</li> </ul>		No

<ul style="list-style-type: none"> <li>• PROFINET CBA protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>• TCP/IP</li> </ul>		No
<ul style="list-style-type: none"> <li>• SNMP</li> </ul>		No
<b>standard for wireless communication IEEE 802.11</b>		No

### Inputs/ Outputs

<b>number of inputs for AS-Interface maximum</b>		248
<b>number of outputs for AS-Interface maximum</b>		186
<b>number of AS-i slaves per AS-Interface maximum</b>		62
<b>bus cycle time of the AS-Interface</b>		
<ul style="list-style-type: none"> <li>• for 31 slaves</li> </ul>	ms	5
<ul style="list-style-type: none"> <li>• for 62 slaves</li> </ul>	ms	10
<b>access to digital I/O data</b>		via process image/peripheral addresses
<b>access to analog I/O data</b>		via process image/peripheral addresses

### Mechanical data

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

### Ambient conditions

<b>ambient temperature</b>		
<ul style="list-style-type: none"> <li>• if installed on horizontal mounting rail during operation</li> </ul>	°C	0 ... 55
<ul style="list-style-type: none"> <li>• if installed on vertical mounting rail during operation</li> </ul>	°C	0 ... 45
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	°C	-40 ... +70
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	°C	-40 ... +70
<b>relative humidity at 25 °C during operation maximum</b>	%	95
<b>installation altitude at height above sea level maximum</b>	m	2 000

### Safety related data

<b>suitability for use safety-related function</b>		No
<b>explosion protection marking for intrinsic safety of related equipment</b>		
<ul style="list-style-type: none"> <li>• EEx ia</li> </ul>		No
<ul style="list-style-type: none"> <li>• EEx ib</li> </ul>		No
<b>explosion protection category for gas</b>		II 3 G Ex nA IIC T4 Gc
<b>explosion protection category for dust</b>		none

### Certificates/ approvals

<b>General Product Approval</b>	<b>EMV</b>	<b>For use in hazardous locations</b>
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[Declaration of Conformity](#)



<b>For use in hazardous locations</b>	<b>Maritime application</b>	<b>other</b>
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[Miscellaneous](#)

[FM](#)



<b>other</b>	<b>Environment</b>	<b>Industrial Communication</b>
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[Confirmation](#)

[Environmental Confirmations](#)



### Further information

**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

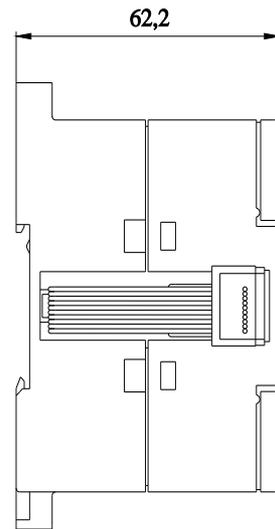
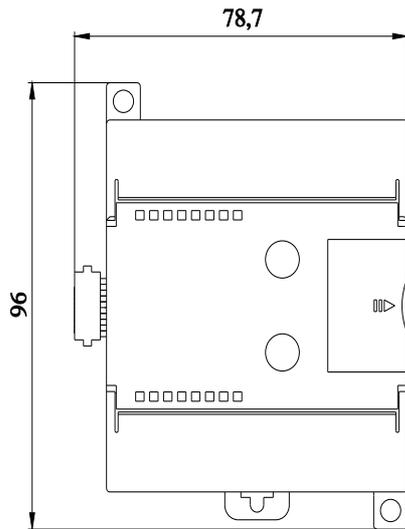
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK7243-2AX01-0XA0>

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



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