

SIMATIC NET, CP 243-2 COMMUNICATIONS PROCESSOR FOR CONNECTION OF A SIMATIC S7-22X TO AN ASI-INTERFACE WITH MASTER PROFILE M0E/M1E ACC. EXTENDED ASI-SPECIFICATION V2.11



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
Operating condition separate power supply 24 V		No
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 function suitable for AS-i Power24V		No
Product feature redundancy capability		No
Product function		
• web-based management		No
• Diagnostics via email		No
• Galvanic isolation		Yes

<b>Display version</b>		PWR, APF, CER, AUP, CM, SF
<ul style="list-style-type: none"> <li>• as status display by LED</li> </ul>		
<b>Type of configuration of the AS-interface</b>		Set pushbutton on device, command interface

#### Communication/ Protocol:

<b>Version of the AS-interface specification</b>		V 2.11
<b>AS-interface master profile is supported</b>		M3 (in acc. with AS-interface specification V 2.1)
<b>Type of data transmission</b>		S7-200 backplane bus
<b>Number of units per CPU maximum</b>		2
<b>Number of interfaces</b>		
<ul style="list-style-type: none"> <li>• as AS-interface</li> </ul>		1
<ul style="list-style-type: none"> <li>• acc. to RS 485</li> </ul>		0
<ul style="list-style-type: none"> <li>• acc. to Industrial Ethernet</li> </ul>		0
<ul style="list-style-type: none"> <li>• acc. to PROFINET</li> </ul>		0
<ul style="list-style-type: none"> <li>• acc. to wireless</li> </ul>		0
<ul style="list-style-type: none"> <li>• acc. to USB</li> </ul>		0
<ul style="list-style-type: none"> <li>• other</li> </ul>		0
<b>Product component optical interface</b>		No
<b>Protocol is supported</b>		
<ul style="list-style-type: none"> <li>• ASIsafe (Safety at work) protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>• PROFI-safe 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

#### Mechanical data:

<b>Width</b>	mm	71
<b>Height</b>	mm	80
<b>Depth</b>	mm	62
<b>Mounting type</b>		snap-on fastening on 35 mm standard mounting rail or screw fastening using an additional push-in lug
<b>Module format</b>		S7-200 modular system

### Ambient conditions:

<b>Ambient temperature</b>		
• if installed on horizontal mounting rail	°C	0 ... 55
• if installed on vertical mounting rail during operation	°C	0 ... 45
• during transport	°C	-40 ... +70
• during storage	°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>		
• EEx ia		No
• EEx ib		No
<b>Explosion protection category for gas</b>		none
<b>Explosion protection category for dust</b>		none

### Certificates/ approvals:

EMC	Declaration of Conformity	Shipping Approval	other
			
C-Tick	EG-Konf.	GL	PRC

[Confirmation](#)

### Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrymall>

**Cax online generator**

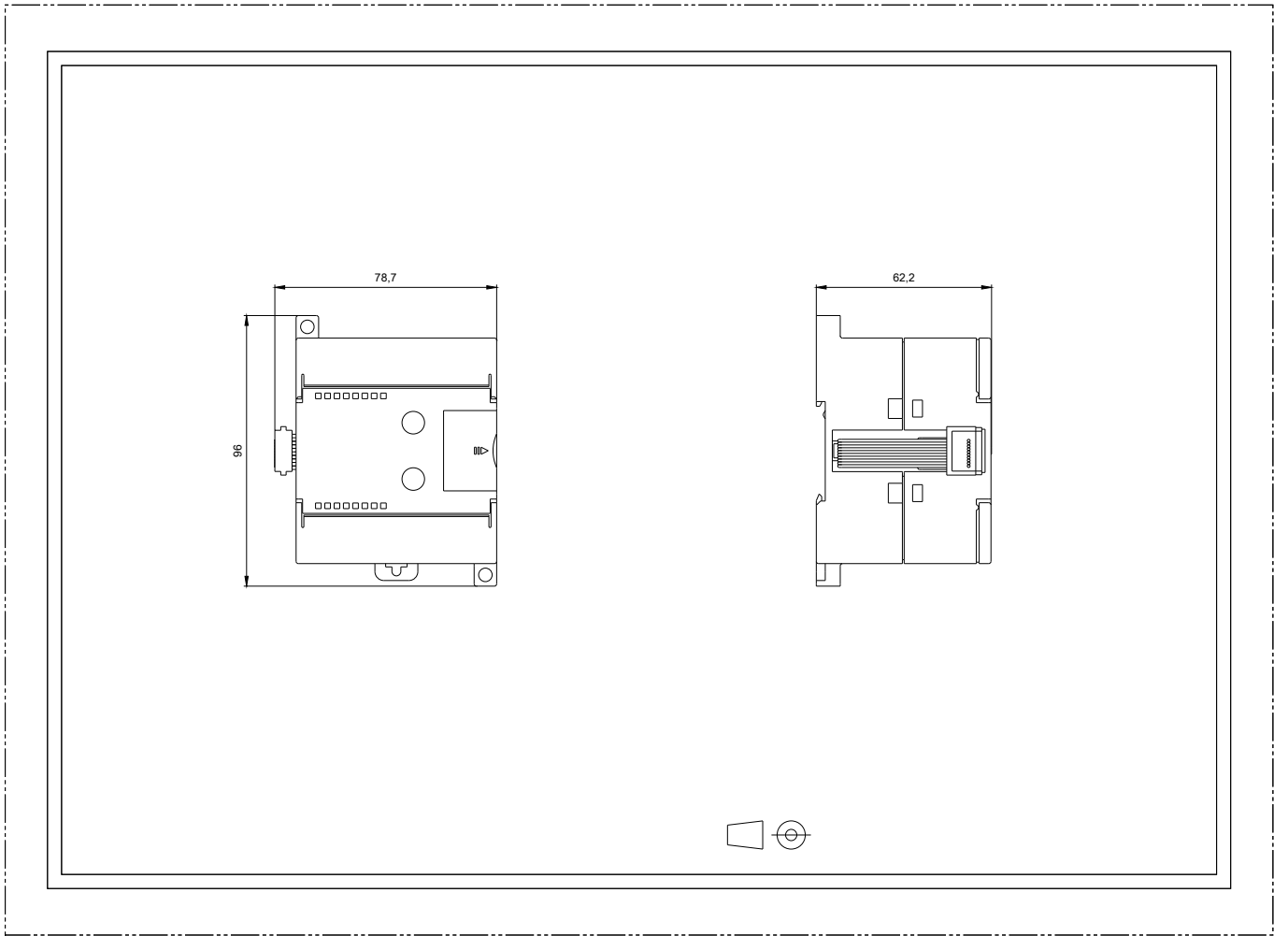
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK7243-2AX01-0XA0>

**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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