



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
Active power loss	W	3.7
Insulation voltage Rated value	V	500
Product function suitable for AS-i Power24V		No
Product property redundancy capability		No
Product function		
• web-based management		No
• Diagnostics via email		No
• Galvanic isolation		Yes

Display version		PWR, APF, CER, AUP, CM, SF
<ul style="list-style-type: none"> • as status display by LED 		
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"> • as AS-interface 		1
<ul style="list-style-type: none"> • acc. to RS 485 		0
<ul style="list-style-type: none"> • acc. to Industrial Ethernet 		0
<ul style="list-style-type: none"> • acc. to PROFINET 		0
<ul style="list-style-type: none"> • acc. to wireless 		0
<ul style="list-style-type: none"> • acc. to USB 		0
<ul style="list-style-type: none"> • other 		0
Product component optical interface		No
Protocol is supported		
<ul style="list-style-type: none"> • ASIsafe (Safety at work) protocol 		No
<ul style="list-style-type: none"> • PROFI-safe protocol 		No
<ul style="list-style-type: none"> • PROFIBUS protocol 		No
<ul style="list-style-type: none"> • PROFINET IO protocol 		No
<ul style="list-style-type: none"> • PROFINET CBA protocol 		No
<ul style="list-style-type: none"> • TCP/IP 		No
<ul style="list-style-type: none"> • 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		
<ul style="list-style-type: none"> • for 31 slaves 	ms	5
<ul style="list-style-type: none"> • for 62 slaves 	ms	10
Access to digital I/O data		via process image/peripheral addresses

Mechanical data:

Width	mm	71
Height	mm	80
Depth	mm	62
Mounting type		snap-on fastening on 35 mm standard mounting 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	°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		none
Explosion protection category for dust		none

Certificates/ approvals:

General Product Approval	EMC	Declaration of Conformity	Shipping Approval
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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

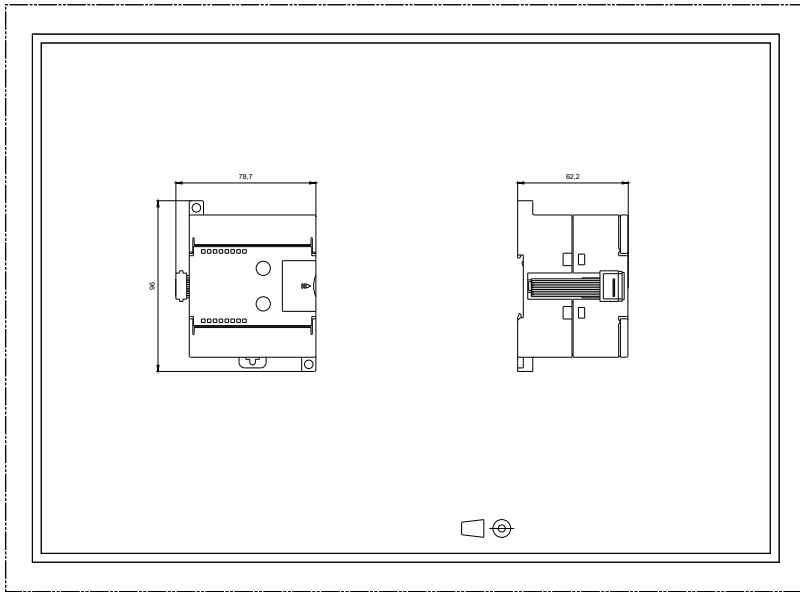
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK72432AX010XA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/6GK72432AX010XA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK72432AX010XA0&lang=en



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