



SIMATIC NET, CP 343-2P Communications processor for Connection of SIMATIC S7-300 and ET 200M to AS-Interface configurable with STEP 7 according to AS-Interface Specification V3.0

General technical data

product designation		AS-Interface Master
product type designation		CP 343-2 P (AS-i V 3.0)
protection class IP		IP20
type of electrical connection of the AS-Interface		S7-300, front connector, 20-pin
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	200
power loss [W]	W	4
insulation voltage rated value	V	500
product function suitable for AS-i Power24V		Yes
• note		from product status 2 / firmware V3.1
product feature redundancy capability		Yes
• note		in connection with redundant IM153
product function		
• web-based management		No
• diagnostics via email		No
• galvanic isolation		Yes
display version		
• as status display by LED		RUN, APF, CER, AUP, CM, SF
type of configuration of the AS-Interface		Set pushbutton on device, STEP7, command interface

Communication/ Protocol

version of the AS-Interface specification		V 3.0
AS-Interface master profile is supported		M4 (in acc. with AS-interface specification V 3.0)
type of data transmission		S7-300 / ET 200M backplane bus
number of units per CPU maximum note		Limited only by current draw from backplane bus
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

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

Inputs/ Outputs		
number of inputs for AS-Interface maximum		496
number of outputs for AS-Interface maximum		496
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 • for 62 slaves 	ms	5
	ms	10
access to digital I/O data		via process image/peripheral addresses
access to analog I/O data		via data record transfer

Mechanical data		
width	mm	40
height	mm	125
depth	mm	120
fastening method		S7 mounting rail
module format		S7-300 modular system

Ambient conditions		
ambient temperature		
<ul style="list-style-type: none"> • if installed on horizontal mounting rail • if installed on vertical mounting rail during operation • during transport • during storage 	°C	0 ... 60
	°C	0 ... 40
	°C	-40 ... +70
	°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		
<ul style="list-style-type: none"> • EEx ia • EEx ib 		No
explosion protection category for gas		none
explosion protection category for dust		none

Certificates/ approvals		
General Product Approval	EMC	For use in hazardous locations

[Confirmation](#)

[FM](#)



For use in hazardous locations	Declaration of Conformity	Marine / Shipping	other
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[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=6GK7343-2AH11-0XA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK7343-2AH11-0XA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/6GK7343-2AH11-0XA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK7343-2AH11-0XA0&lang=en

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