



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		
consumed current	No		
• 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		

• 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		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			
• for 31 slaves	ms	5	
• for 62 slaves	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			
• if installed on horizontal mounting rail	°C	0 ... 60	
• if installed on vertical mounting rail during operation	°C	0 ... 40	
• 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	For use in hazardous locations
Confirmation	FM		 RCM

For use in hazardous locations	Declaration of Conformity	Marine / Shipping	other
 IECEx		 EG-Konf.	 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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