



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

General technical data

product designation		AS-Interface Master
product type designation		CP 343-2 (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		RUN, APF, CER, AUP, CM, SF
• as status display by LED		
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		
• ASI-safe (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=6GK7343-2AH01-0XA0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK7343-2AH01-0XA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/6GK7343-2AH01-0XA0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK7343-2AH01-0XA0&lang=en

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