



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		
<b>product designation</b>		AS-Interface Master
<b>product type designation</b>		CP 343-2 P (AS-i V 3.0)
<b>protection class IP</b>		IP20
<b>type of electrical connection of the AS-Interface</b>		S7-300, front connector, 20-pin
<b>type of voltage supply</b>		via backplane bus
<b>operating condition separate power supply 24 V</b>		No
<b>consumed current</b>		
• from profile conductors of the AS-Interface — at 30 V maximum	mA	100
• from backplane bus maximum	mA	200
<b>power loss [W]</b>	W	4
<b>insulation voltage rated value</b>	V	500
<b>product function suitable for AS-i Power24V</b>		Yes
• note		from product status 2 / firmware V3.1
<b>product feature redundancy capability</b>		Yes
• note		in connection with redundant IM153
<b>product function</b>		
• web-based management		No
• diagnostics via email		No
• galvanic isolation		Yes
<b>display version</b>		
• as status display by LED		RUN, APF, CER, AUP, CM, SF
<b>type of configuration of the AS-Interface</b>		Set pushbutton on device, STEP7, command interface
Communication/ Protocol		
<b>version of the AS-Interface specification</b>		V 3.0
<b>AS-Interface master profile is supported</b>		M4 (in acc. with AS-interface specification V 3.0)
<b>type of data transmission</b>		S7-300 / ET 200M backplane bus
<b>number of units per CPU maximum note</b>		Limited only by current draw from backplane bus
<b>number of interfaces</b>		
• as AS-Interface		1
• acc. to RS 485		0
• acc. to Industrial Ethernet		0
• acc. to PROFINET		0
• acc. to wireless		0
• acc. to USB		0
• other		0
<b>product component optical interface protocol is supported</b>		No

• 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
<b>standard for wireless communication IEEE 802.11</b>		No

### Inputs/ Outputs

<b>number of inputs for AS-Interface maximum</b>		496
<b>number of outputs for AS-Interface maximum</b>		496
<b>number of AS-i slaves per AS-Interface maximum</b>		62
<b>bus cycle time of the AS-Interface</b>		
• for 31 slaves	ms	5
• for 62 slaves	ms	10
<b>access to digital I/O data</b>		via process image/peripheral addresses
<b>access to analog I/O data</b>		via data record transfer

### Mechanical data

<b>width</b>	mm	40
<b>height</b>	mm	125
<b>depth</b>	mm	120
<b>fastening method</b>		S7 mounting rail
<b>module format</b>		S7-300 modular system

### Ambient conditions

<b>ambient temperature</b>		
• 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
<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

<b>General Product Approval</b>	<b>EMC</b>	<b>For use in hazardous locations</b>
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[EM](#)



<b>Marine / Shipping</b>	<b>other</b>
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[Confirmation](#)

### Further information

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

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