



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
consumed current		
<ul style="list-style-type: none"> <li>from profile conductors of the AS-Interface                             <ul style="list-style-type: none"> <li>— at 30 V maximum</li> </ul> </li> </ul>	mA	100
<ul style="list-style-type: none"> <li>from backplane bus maximum</li> </ul>	mA	200
power loss [W]	W	4
insulation voltage rated value	V	500
product feature redundancy capability		Yes
<ul style="list-style-type: none"> <li>note</li> </ul>		in connection with redundant IM153
product function suitable for AS-i Power24V		Yes
<ul style="list-style-type: none"> <li>note</li> </ul>		from product status 2 / firmware V3.1
product function		
<ul style="list-style-type: none"> <li>web-based management</li> </ul>		No
<ul style="list-style-type: none"> <li>diagnostics via email</li> </ul>		No
<ul style="list-style-type: none"> <li>galvanic isolation</li> </ul>		Yes
display version		
<ul style="list-style-type: none"> <li>as status display by LED</li> </ul>		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		
<ul style="list-style-type: none"> <li>as AS-Interface</li> </ul>		1
<ul style="list-style-type: none"> <li>according to RS 485</li> </ul>		0
<ul style="list-style-type: none"> <li>according to Industrial Ethernet</li> </ul>		0
<ul style="list-style-type: none"> <li>according to PROFINET</li> </ul>		0
<ul style="list-style-type: none"> <li>according to wireless</li> </ul>		0
<ul style="list-style-type: none"> <li>according to USB</li> </ul>		0
<ul style="list-style-type: none"> <li>other</li> </ul>		0
product component optical interface		No
protocol is supported		
<ul style="list-style-type: none"> <li>ASIsafe (Safety at work) protocol</li> </ul>		No

• PROFI-safe 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 devices per AS-Interface maximum</b>		62
<b>bus cycle time of the AS-Interface</b>		
• for 31 devices	ms	5
• for 62 devices	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 during operation	°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>		II 3 G Ex ec IIC T4 Gc
<b>explosion protection category for dust</b>		none

**Certificates/ approvals**

<b>General Product Approval</b>	EMV
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[EM](#)



**For use in hazardous locations** Test Certificates

[CCC-Ex](#)



[Miscellaneous](#)



[Special Test Certificate](#)

**Maritime application** other Environment



[Confirmation](#)

[Confirmation](#)



[Environmental Confirmations](#)

## Further information

### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

### 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

<https://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, ...)

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=6GK7343-2AH01-0XA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK7343-2AH01-0XA0&lang=en)

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