

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		
<ul style="list-style-type: none"> <li>from profile conductors of the AS-interface</li> <li>— at 30 V maximum</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 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 feature redundancy capability		Yes
<ul style="list-style-type: none"> <li>Note</li> </ul>		in connection with redundant IM153
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> <li>• Galvanic isolation</li> </ul>		No Yes
<b>Display version</b>		
<ul style="list-style-type: none"> <li>• as status display by LED</li> </ul>		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>		
<ul style="list-style-type: none"> <li>• as AS-interface</li> <li>• acc. to RS 485</li> <li>• acc. to Industrial Ethernet</li> <li>• acc. to PROFINET</li> <li>• acc. to wireless</li> <li>• acc. to USB</li> <li>• other</li> </ul>		1 0 0 0 0 0 0
<b>Product component optical interface</b>		No
<b>Protocol is supported</b>		
<ul style="list-style-type: none"> <li>• ASIsafe (Safety at work) protocol</li> <li>• PROFIsafe protocol</li> <li>• PROFIBUS protocol</li> <li>• PROFINET IO protocol</li> <li>• PROFINET CBA protocol</li> <li>• TCP/IP</li> <li>• SNMP</li> </ul>		No No No No No No 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>		
<ul style="list-style-type: none"> <li>• for 31 slaves</li> <li>• for 62 slaves</li> </ul>	ms ms	5 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

Depth	mm	120
Mounting type		S7 mounting rail
Module format		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>	<b>Declaration of Conformity</b>
---------------------------------	------------	---------------------------------------	----------------------------------

[FM](#)



<b>Declaration of Conformity</b>	<b>Shipping Approval</b>	<b>other</b>
----------------------------------	--------------------------	--------------

[Miscellaneous](#)



[Confirmation](#)

#### Further information

**Information- and Downloadcenter (Catalogs, Brochures,...)**

<http://www.siemens.com/industrial-controls/catalogs>

**Industry Mall (Online ordering system)**

<http://www.siemens.com/industrymall>

**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)

last modified:

07/25/2019