SIEMENS

Data sheet   **6GK7343-2AH01-0XA0**

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		
● 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 feature redundancy capability		Yes
● note		in connection with redundant IM153
product function suitable for AS-i Power24V		Yes
● note		from product status 2 / firmware V3.1
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

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● 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 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
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		II 3 G Ex ec IIC T4 Gc
explosion protection category for dust		none

Certificates/ approvals

General Product Approval		**EMV**

CE EG-Konf.   Confirmation   FM   UL   EAC   RCM

For use in hazardous locations	**Marine / Shipping**

CQC   other ex-certificates   IECEx   UL   BUREAU VERITAS   PRS

other

Confirmation

Further information

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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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