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
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		
● 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

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● 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 hazard-ous locations
[Confirmation](#) [FM](#) UL EAC		RCM	CQC

For use in hazardous locations	Declaration of Con-formity	Marine / Shipping	other
[Explosion Protection Certificate](#) ATEX IECEx	CE EG-Konf.	BUREAU VERITAS	[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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