



SIMATIC NET,
CP 343-2 COMMUNICATION PROCESSOR FOR
CONNECTING SIMATIC S7-300 AND ET200M TO AS-
INTERFACE ACCOR. AS-INTERFACE SPEC. V3.0

General technical data:

product designation		AS-Interface Master
Protection class IP		IP20
Design of the 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
Current consumed		
• from shaped cables of AS-Interface		
• with external 24 V-supply voltage / maximum	mA	100
• from backplane bus / maximum	mA	200
Resistive loss	W	4
Insulation voltage / rated value	V	500
Product function / adapted for AS-i Power24V		Yes
• comment		from product status 2 / firmware V3.1
Product feature / redundancy capability		Yes
• comment		in connection with redundant IM153
Product function / web-based management		No
Product function / diagnosis via E-mail		No
Product function / galvanic isolation		Yes
• as status display by LED		RUN, APF, CER, AUP, CM, SF

Type of projection / of the AS-interface		Set pushbutton on device, STEP7, command interface
Communication:		
Version / of the AS-interface specification		V 3.0
AS-interface masterprofile / will be 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 • remark		Limited only by current draw from backplane bus
Number of interfaces • as AS-interface • according to RS 485 • according to Industrial Ethernet • according to PROFINET • according to wireless • according to USB • others		1 0 0 0 0 0 2
Product component / optical interface		No
Protocol / will be supported • ASIsafe(Safety at work) protocol • PROFIsafe protocol • PROFIBUS protocol • PROFINET IO protocol • PROFINET CBA protocol • TCP/IP • SNMP		No No No No No No No
Standard for wireless communication / IEEE 802.11		No
Ein- und Ausgänge:		
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 • at 31 slaves • at 62 slaves	ms ms	5 10
Access to digital I/O data		via process diagram/peripheral addresses and data record transfer
Access to analog I/O data		via data record transfer
Mechanical design:		
Width	mm	40
Height	mm	125

Depth	mm	120
Type of mounting		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 operating / maximum	%	95
Installation altitude / at a height over sea level / maximum	m	2,000

Safety:

Acceptability for application / safety-related function		No
Explosion protection labeling / for intrinsic safety of related operating resources		
• EEX ia		No
• EEX ib		No
Explosion protection category for gas		none
Explosion protection category for dust		none

Certificates/approvals:

General Product Approval	Shipping Approval
 GOST	 BUREAU VERITAS

Further information:

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

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

Industry Mall (Online ordering system)

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

Cax online generator:

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

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/6GK7343-2AH01-0XA0/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=6GK7343-2AH01-0XA0

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