

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS SIMATIC NET

6GK7343-2AH11-0XA0

AS-INTERFACE COMMUNICATION PROCESSOR

Used with the applicable SIMATIC S7-300 communication configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens official product documentation



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		
• 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
• acc. to RS 485		0
• acc. to Industrial Ethernet		0
• acc. to PROFINET		0
• acc. to wireless		0
• acc. to USB		0
• other		0
Product component optical interface		No
Protocol is supported		
• ASIsafe (Safety at work) protocol		No
• 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