

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 | | |
| <ul style="list-style-type: none"> from profile conductors of the AS-Interface <ul style="list-style-type: none"> — at 30 V maximum | mA | 100 |
| <ul style="list-style-type: none"> 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 |
| <ul style="list-style-type: none"> Note | | from product status 2 / firmware V3.1 |
| Product feature redundancy capability | | Yes |
| <ul style="list-style-type: none"> Note | | in connection with redundant IM153 |
| Product function | | |
| <ul style="list-style-type: none"> web-based management | | No |

| | | |
|---|--|--|
| <ul style="list-style-type: none"> • Diagnostics via email • Galvanic isolation | | No Yes |
| Display version | | |
| <ul style="list-style-type: none"> • 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 | | |
| <ul style="list-style-type: none"> • as AS-Interface • acc. to RS 485 • acc. to Industrial Ethernet • acc. to PROFINET • acc. to wireless • acc. to USB • other | | 1 0 0 0 0 0 0 |
| Product component optical interface | | No |
| Protocol is supported | | |
| <ul style="list-style-type: none"> • 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 |

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 | | |
| <ul style="list-style-type: none"> • for 31 slaves • for 62 slaves | ms ms | 5 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 |
| Mounting type | | 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 hazardous locations | Declaration of Conformity |
|---------------------------------|------------|---------------------------------------|----------------------------------|

[FM](#)



| | | |
|----------------------------------|--------------------------|--------------|
| Declaration of Conformity | Shipping Approval | other |
|----------------------------------|--------------------------|--------------|

[Miscellaneous](#)



[Confirmation](#)

Further information

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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