

SIMATIC NET, DP/AS-INTERFACE LINK 20 E ;  
 GATEWAY PROFIBUS-DP / AS-INTERFACE ACC. TO  
 AS-INTERFACE SPEC. V3.0 IN PROTECTION MODE  
 IP20.



General technical data:

<b>Product designation</b>		PROFIBUS DP/AS-Interface Link
<b>Product type designation</b>		DP/AS-Interface Link 20E (AS-i V 3.0)
<b>Protection class IP</b>		IP20
<b>Type of electrical connection of the AS-interface</b>		Screw-type connection
<b>Type of voltage supply</b>		via AS-i
<b>Operating condition separate power supply 24 V</b>		No
<b>Consumed current</b>		
<ul style="list-style-type: none"> <li>from profile conductors of the AS-interface</li> <li>— at 30 V maximum</li> </ul>	mA	200
<b>Power loss [W]</b>	W	4.5
<b>Insulation voltage rated value</b>	V	500
<b>Product function suitable for AS-i Power24V</b>		No
<ul style="list-style-type: none"> <li>Note</li> </ul>		from product status 2 / firmware V3.1
<b>Product feature redundancy capability</b>		Yes
<ul style="list-style-type: none"> <li>Note</li> </ul>		in connection with Y-Link
<b>Product function</b>		
<ul style="list-style-type: none"> <li>web-based management</li> <li>Diagnostics via email</li> </ul>		No No

<ul style="list-style-type: none"> <li>Galvanic isolation</li> </ul>		Yes
<b>Display version</b>		
<ul style="list-style-type: none"> <li>as status display by LED</li> </ul>		PWR, APF, CER, AUP, CM, BF, SF
<b>Type of configuration of the AS-interface</b>		Set pushbutton on device, STEP7, GSD, command interface

#### Communication/ Protocol:

<b>Version of the AS-interface specification</b>		V 3.0
<b>AS-interface master profile is supported</b>		M4 (in acc. with AS-interface specification V 3.0)
<b>Type of data transmission</b>		PROFIBUS
<b>Number of interfaces</b>		
<ul style="list-style-type: none"> <li>as AS-interface</li> </ul>		1
<ul style="list-style-type: none"> <li>acc. to RS 485</li> </ul>		1
<ul style="list-style-type: none"> <li>acc. to Industrial Ethernet</li> </ul>		0
<ul style="list-style-type: none"> <li>acc. to PROFINET</li> </ul>		0
<ul style="list-style-type: none"> <li>acc. to wireless</li> </ul>		0
<ul style="list-style-type: none"> <li>acc. to USB</li> </ul>		0
<ul style="list-style-type: none"> <li>other</li> </ul>		0
<b>Product component optical interface</b>		No
<b>Protocol is supported</b>		
<ul style="list-style-type: none"> <li>ASIsafe (Safety at work) protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>PROFIsafe protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>PROFIBUS protocol</li> </ul>		Yes
<ul style="list-style-type: none"> <li>PROFINET IO protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>PROFINET CBA protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>TCP/IP</li> </ul>		No
<ul style="list-style-type: none"> <li>SNMP</li> </ul>		No
<b>Standard for wireless communication IEEE 802.11</b>		No

#### Inputs/ Outputs:

<b>Number of inputs for AS Interface maximum</b>		496
<b>Number of outputs for AS Interface maximum</b>		496
<b>Number of AS-i slaves per AS-Interface maximum</b>		62
<b>Bus cycle time of the AS-interface</b>		
<ul style="list-style-type: none"> <li>for 31 slaves</li> </ul>	ms	5
<ul style="list-style-type: none"> <li>for 62 slaves</li> </ul>	ms	10
<b>Access to digital I/O data</b>		via process image/peripheral addresses
<b>Access to analog I/O data</b>		via data record transfer

#### Mechanical data:

<b>Width</b>	mm	90
<b>Height</b>	mm	80
<b>Depth</b>	mm	62
<b>Mounting type</b>		snap-on fastening on 35 mm standard rail

Module format	IP20
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#### Ambient conditions:

<b>Ambient temperature</b>		
• if installed on horizontal mounting rail	°C	0 ... 60
• if installed on vertical mounting rail during operation	°C	0 ... 45
• during transport	°C	-40 ... +70
• during storage	°C	-40 ... +70
<b>Relative humidity at 25 °C during operation maximum</b>	%	95
<b>Installation altitude at height above sea level maximum</b>	m	2 000

#### Safety related data:

<b>Suitability for use safety-related function</b>		No
<b>Explosion protection marking for intrinsic safety of related equipment</b>		
• EEx ia		No
• EEx ib		No
<b>Explosion protection category for gas</b>		none
<b>Explosion protection category for dust</b>		none

#### Certificates/ approvals:

General Product Approval	EMC	For use in hazardous locations	Declaration of Conformity	other
 UL	 C-Tick	 ATEX	 EG-Konf.	<a href="#">Confirmation</a>

#### Further information

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

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

**Industry Mall (Online ordering system)**

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

**Cax online generator**

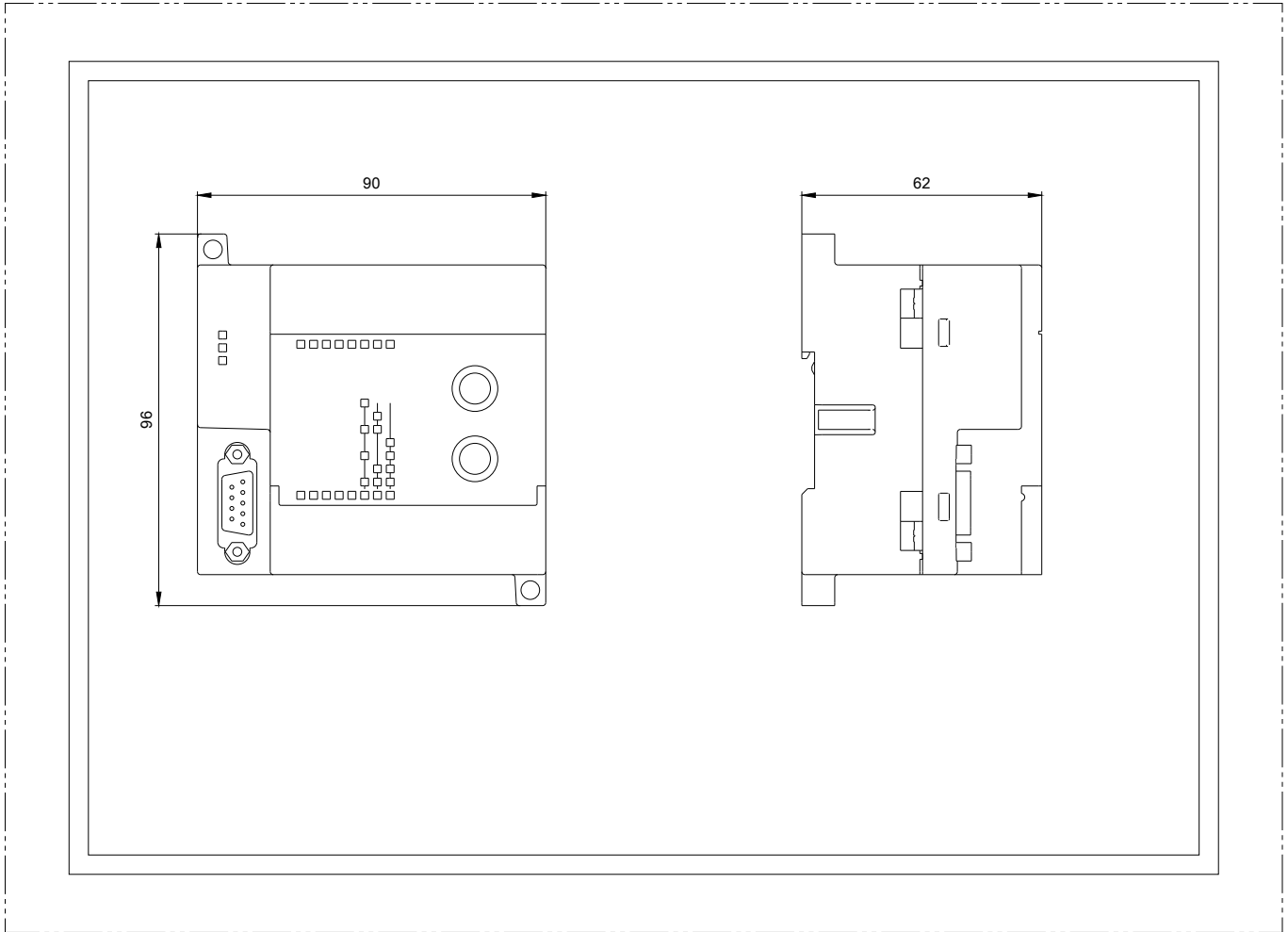
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK1415-2AA10>

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

<https://support.industry.siemens.com/cs/ww/en/ps/6GK1415-2AA10>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=6GK1415-2AA10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK1415-2AA10&lang=en)



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