



SIMATIC NET, IE/AS-INTERFACE LINK PN IO; GATEWAY INDUSTRIAL ETHERNET/ AS-INTERFACE WITH MASTER PROFILE M3, M4 ACC. TO EXTENDED AS-I SPEC. V3.0 FOR INTEGRATION IN PROFINET IO; SINGLE MASTER WITH DISPLAY; DEGREE OF PROTECTION IP20. CONFIGURATION WITH STEP 7 TIA PORTAL IS POSSIBLE ONLY VIA GSD.

General technical data:

Product designation		PROFINET IO/AS-Interface Link
Product type designation		IE/AS-i LINK PN IO (single master)
Protection class IP		IP20
Type of electrical connection of the AS-interface		Screw-type connection
Type of voltage supply		via AS-i or 24 V DC
Operating condition separate power supply 24 V		No
Supply voltage from optional external supply voltage at DC	V	24
Consumed current		
• from profile conductors of the AS-interface		
— at 30 V maximum	mA	320
— at 24 V with AS-i Power24V maximum	mA	320
Power loss [W]	W	9.6
Insulation voltage rated value	V	500
Product function suitable for AS-i Power24V		No
• Note		from product status 4 / firmware V2.2
Product feature redundancy capability		No
Product function		

<ul style="list-style-type: none"> <li>• web-based management</li> <li>• Diagnostics via email</li> <li>• Galvanic isolation</li> </ul>		Yes
		Yes
		Yes
<b>Display version</b>		
<ul style="list-style-type: none"> <li>• as status display by LED</li> <li>• as status indication through display</li> </ul>		SF, BF, ON, APF, CER, AUP, CM LCD display, full graphic, backlighting, 128 x 64 pixels
<b>Type of configuration of the AS-interface</b>		Operator display, integrated web server, 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>		PROFINET
<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>		0
<ul style="list-style-type: none"> <li>• acc. to Industrial Ethernet</li> </ul>		2
<ul style="list-style-type: none"> <li>• acc. to PROFINET</li> </ul>		2
<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>		1
<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>		No
<ul style="list-style-type: none"> <li>• PROFINET IO protocol</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• PROFINET CBA protocol</li> </ul>		No
<ul style="list-style-type: none"> <li>• TCP/IP</li> </ul>		Yes
<ul style="list-style-type: none"> <li>• SNMP</li> </ul>		Yes
<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 process diagram/peripheral addresses and data record transfer

**Mechanical data:**

Width	mm	90
Height	mm	132
Depth	mm	88.5
Mounting type		snap-on fastening on 35 mm standard rail
Module format		IP20





**Ambient conditions:**

<b>Ambient temperature</b>		
• if installed on horizontal mounting rail	°C	0 ... 60
• during transport	°C	-30 ... +70
• during storage	°C	-30 ... +70
<b>Relative humidity at 25 °C during operation maximum</b>	%	95
<b>Installation altitude at height above sea level maximum</b>	m	3 000

**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:**

EMC	For use in hazardous locations	Declaration of Conformity	Shipping Approval
	 ATEX	 EG-Konf.	 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/industrymall>

**Cax online generator**

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=6GK1411-2AB10>

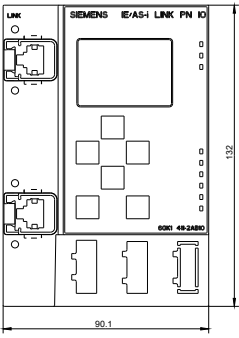
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<https://support.industry.siemens.com/cs/ww/en/ps/6GK1411-2AB10>

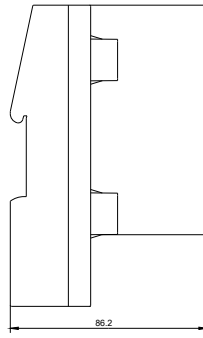
**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)**

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mfb=6GK1411-2AB10&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mfb=6GK1411-2AB10&lang=en)

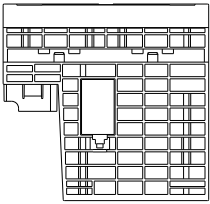
Vorne / Front



Links / Left



Oben / Top



**last modified:**

07/08/2016