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Data sheet 6GK1411-2AB20

SIMATIC NET, IE/AS-i Link PN IO Gateway IE/AS-i with master profile M3, M4 according to AS-i specification V3.0 for integration in PROFINET IO Double master with display, IP20

General technical data		
product designation		PROFINET IO/AS-Interface Link
product type designation		IE/AS-i LINK PN IO (double master)
protection class IP		IP20
type of electrical connection of the AS-Interface		Screw-type connection
type of voltage supply		via AS-i or external 24 V supply
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 feature redundancy capability		No
product function suitable for AS-i Power24V		No
● note		from product status 4 / firmware V2.2
product function		
● web-based management		Yes
● diagnostics via email		Yes
● galvanic isolation		Yes
display version		
● as status display by LED		SF, BF, ON, APF, CER, AUP, CM
● as status indication through display		LCD display, full graphic, backlighting, 128 x 64 pixels
type of configuration of the AS-Interface		Operator display, integrated web server, STEP7, GSD, 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		PROFINET
number of interfaces		
● as AS-Interface		2
● according to RS 485		0
● according to Industrial Ethernet		2
● according to PROFINET		2
● according to wireless		0
● according to USB		0
● other		1
product component optical interface		No
protocol is supported		
● ASIsafe (Safety at work) protocol		No

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• PROFIsafe protocol		No
• PROFIBUS protocol		No
• PROFINET IO protocol		Yes
• PROFINET CBA protocol		No
• TCP/IP		Yes
• SNMP		Yes
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 process diagram/peripheral addresses and data record transfer
Mechanical data		
width	mm	90
height	mm	132
depth	mm	88.5
fastening method		snap-on fastening on 35 mm DIN rail
module format		IP20
Ambient conditions		
ambient temperature		
• if installed on horizontal mounting rail during operation	°C	0 ... 60
• during transport	°C	-30 ... +70
• during storage	°C	-30 ... +70
relative humidity at 25 °C during operation maximum	%	95
installation altitude at height above sea level maximum	m	3 000
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		II 3 G Ex ec IIC T4 Gc
explosion protection category for dust		none

Certificates/ approvals

General Product Approval				EMC	For use in hazard-ous locations
Confirmation	FM	UL	EAC	RCM	CQC

For use in hazardous locations		Marine / Shipping	other
IECEx	ATEX	BUREAU VERITAS	Confirmation

Further information

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business
Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).
Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information- and Downloadcenter (Catalogs, Brochures,…)

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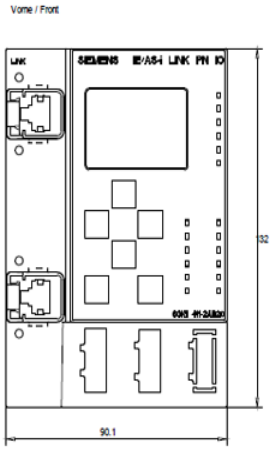
https://www.siemens.com/ic10

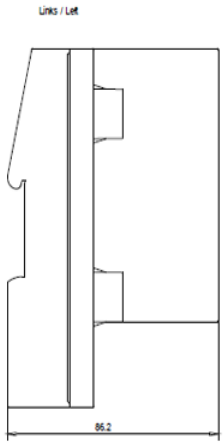
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=6GK1411-2AB20

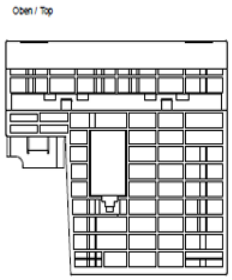
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK1411-2AB20

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/6GK1411-2AB20

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK1411-2AB20&lang=en







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