SIEMENS

Data sheet **6GK1415-2AA10**

SIMATIC NET, DP/AS-Interface Link 20 E, Gateway
PROFIBUS DP/AS-Interface according to AS-Interface
specification V 3.0 in degree of protection IP20

General technical data

product designation		PROFIBUS DP/AS-Interface Link
product type designation		DP/AS-Interface Link 20E (AS-i V 3.0)
protection class IP		IP20
type of electrical connection of the AS-Interface		Screw-type connection
type of voltage supply		via AS-i
operating condition separate power supply 24 V		No
consumed current		
● from profile conductors of the AS-Interface		
— at 30 V maximum	mA	200
power loss [W]	W	4.5
insulation voltage rated value	V	500
product function suitable for AS-i Power24V		No
● note		from product status 2 / firmware V3.1
product feature redundancy capability		Yes
● note		in connection with Y-Link
product function		
● web-based management		No
● diagnostics via email		No
● galvanic isolation		Yes
display version		
● as status display by LED		PWR, APF, CER, AUP, CM, BF, SF
type of configuration of the AS-Interface		Set pushbutton on device, 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	PROFIBUS
number of interfaces	
● as AS-Interface	1
● according to RS 485	1
● according to Industrial Ethernet	0
● according to PROFINET	0
● according to wireless	0
● according to USB	0
● other	0
product component optical interface	No
protocol is supported	
● ASIsafe (Safety at work) protocol	No
● PROFIsafe protocol	No
● PROFIBUS protocol	Yes
● 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	90
height	mm	80
depth	mm	62
fastening method		snap-on fastening on 35 mm DIN rail
module format		IP20

Ambient conditions		
ambient temperature		
● 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
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**
[Confirmation](#) [FM](#)	UL EAC	RCM	CQC

Declaration of Conformity	**other**
CE EG-Konf.	[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,…)
https://www.siemens.com/ic10
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=6GK1415-2AA10
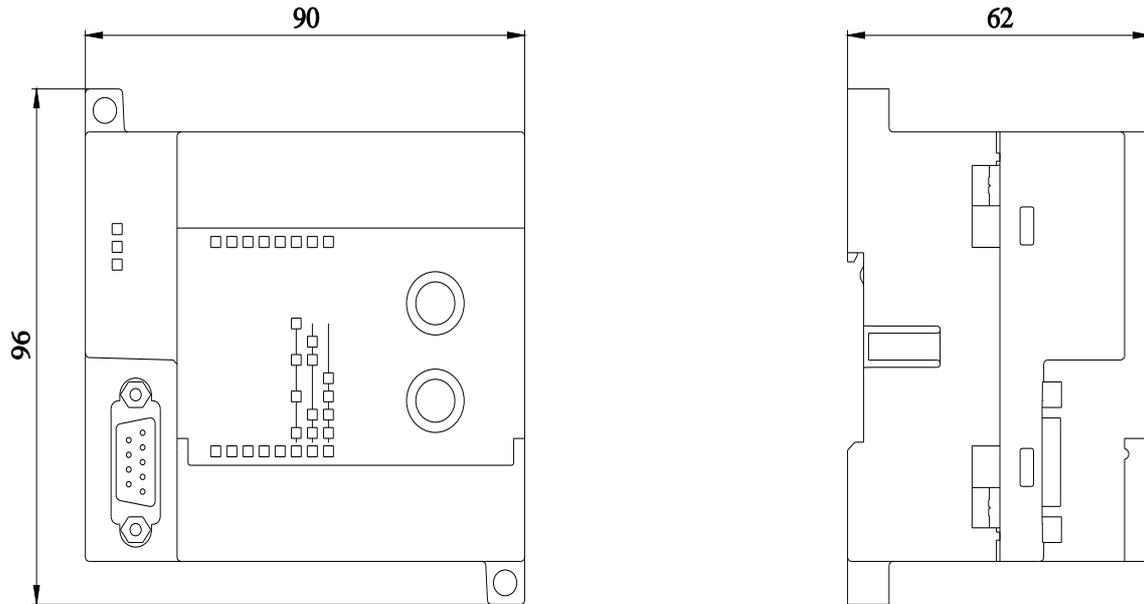**Cax online generator**
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=6GK1415-2AA10
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/6GK1415-2AA10
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=6GK1415-2AA10&lang=en

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