SIEMENS

Data sheet | **6GK5004-2BF00-1AB2**

SCALANCE XB004-2LD unmanaged Industrial Ethernet Switch for 10/100 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V AC/DC power supply, with 4x 10/100 Mbit/s twisted pair ports with RJ45 sockets; 2 x 100 Mbit/s single-mode glass fiber-optic cable port with SC socket; manual available as a download .

product type designation	SCALANCE
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	4
number of optical ports / maximum	2
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	4; RJ45
number of 100 Mbit/s SC ports	
● for multimode	0
● for single mode (LD)	2
interfaces / other	
number of electrical connections	
● for power supply	1
type of electrical connection	
● for power supply	3-pole terminal block
supply voltage, current consumption, power loss	
type of voltage / 1 / of the supply voltage	DC
● supply voltage / 1 / rated value	24 V
● power loss [W] / 1 / rated value	2.4 W
● supply voltage / 1 / rated value	19.2 ... 28.8 V
● consumed current / 1 / maximum	0.1 A
● type of electrical connection / 1 / for power supply	3-pole terminal block
● product component / 1 / fusing at power supply input	Yes
● fuse protection type / 1 / at input for supply voltage	0.6 A / 60 V
type of voltage / 2 / of the supply voltage	
● supply voltage / 2 / rated value	19.2 ... 28.8 V
ambient conditions	
ambient temperature	
● during operation	-10 ... +60 °C
● during storage	-40 ... +80 °C
● during transport	-40 ... +80 °C
relative humidity	
● at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	Box
width	45 mm

height	100 mm
depth	87 mm
net weight	0.205 kg
fastening method	
● 35 mm top hat DIN rail mounting	Yes
● wall mounting	Yes
● S7-1500 rail mounting	No

product functions / management, configuration, engineering	
product function	
● multiport mirroring	No
● CoS	Yes
PROFINET conformity class	A
product function / switch-managed	No

product functions / redundancy	
product function	
● Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No

standards, specifications, approvals	
reference code	
● according to IEC 81346-2	KF
● according to IEC 81346-2:2019	KFE

standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes

standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
● Global Warming Potential [CO2 eq] / total	141.3 kg
● Global Warming Potential [CO2 eq] / during manufacturing	15.99 kg
● Global Warming Potential [CO2 eq] / during operation	125.18 kg
● global warming potential [CO2 eq] / after end of life	0.15 kg

further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● to website: Industrial communication	http://www.siemens.com/simatic-net
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter
● to website: Image database	http://automation.siemens.com/bilddb
● to website: CAx-Download-Manager	http://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

security information	
security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under https://www.siemens.com/cert. (V4.6)

Approvals / Certificates	
For use in hazardous locations	**Declaration of Conformity**

| ATEX-Zone 2-Declaration | IECEx | FM | CCC-Ex | CE EG-Konf. | UKCA |

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