

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

SIEMENS SCALANCE

6GK5202-2BB10-2BA3

MANAGED INDUSTRIAL ETHERNET SWITCH

Applicable product family: SCALANCE X Industrial Ethernet switches

OFFICIAL SOURCE

6GK5202-2BB10-2BA3.pdf

The following pages are selected from the supplied manufacturer document and retain their original page content.



SCALANCE X202-2IRT managed IE IRT switch, 2x 10/100 Mbps RJ45 ports, 2x 100 Mbps multimode BFOC, error signaling contact with set pushbutton, redundant power supply, PROFINET IO device, network management, Redundancy Manager integrated, incl. electron. manual on CD-ROM, C-PLUG optional

product type designation	
product brand name	SCALANCE
product type designation	X202-2IRT
Technical Product Detail Page	https://i.siemens.com/1P6GK5202-2BB10-2BA3
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	2
number of 100 Mbit/s ST(BFOC) ports	
• for multimode	2
transmission method / of the optical interface	100BaseFX
interfaces / other	
number of electrical connections	
• for signaling contact	1
• for power supply	1
type of electrical connection	
• for signaling contact	2-pole terminal block
• for power supply	4-pole terminal block
design of the removable storage	
• C-PLUG	Yes
operating voltage / of the signaling contacts	
• at DC / rated value	24 V
operational current / of the signaling contacts	
• at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	5.8 W
• supply voltage / 1 / voltage range	18 ... 32
• consumed current / 1 / maximum	0.24 A
• product component / 1 / fusing at power supply input	Yes
• fuse protection type / 1 / at input for supply voltage	2.5 A (cannot be replaced by user)
ambient conditions	
ambient temperature	
• during operation	-40 ... +60 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C

relative humidity	
at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP30
design, dimensions and weights	
design	compact
width	60 mm
height	125 mm
depth	124 mm
net weight	0.78 kg
fastening method	
35 mm DIN-rail mounting	Yes
wall mounting	Yes
S7-300 rail mounting	Yes
S7-1500 rail mounting	No
product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of <1~0.31~s	50
cascading in cases of star topology	any (depending only on signal propagation time)
product functions / management, configuration, engineering	
product function	
CLI	Yes
web-based management	Yes
MIB support	Yes
TRAPs via email	Yes
configuration with STEP 7	Yes
port mirroring	No
multiport mirroring	No
with IRT / PROFINET IO switch	Yes
PROFINET IO diagnosis	Yes
switch-managed	Yes
PROFINET conformity class	C
network load class / according to PROFINET	II
protocol / is supported	
Telnet	Yes
HTTP	Yes
HTTPS	Yes
TFTP	Yes
FTP	Yes
BOOTP	No
DCP	Yes
LLDP	Yes
SNMP v1	Yes
SNMP v2	Yes
SNMP v3	Yes
identification & maintenance function	
I&M0 - device-specific information	Yes
I&M1 - higher level designation/location designation	Yes
product functions / diagnostics	
product function	
port diagnostics	Yes
statistics Packet Size	Yes
statistics packet type	Yes
error statistics	Yes
product functions / DHCP	
product function	
DHCP client	Yes
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes

product function	
• media redundancy protocol (MRP) with redundancy manager	Yes
• ring redundancy	Yes
• high speed redundancy protocol (HRP) with redundancy manager	Yes
• high speed redundancy protocol (HRP) with standby redundancy	Yes
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
• Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
• passive listening	Yes
product functions / security	
protocol / is supported	
• SSH	Yes
product functions / time	
product function	
• SICLOCK support	Yes
protocol / is supported	
• NTP	No
• SNTP	Yes
standards, specifications, approvals	
certificate of suitability	
• CE marking	Yes
• UKCA marking	Yes
• EC Declaration of Conformity EN 61010, IEC 61010-1, UL 61010A-1	Yes
• cULus approval	Yes
• KC approval	Yes
• Regulatory Compliance Mark (RCM)	Yes
standard	
• for EMC interference emission	EN 61000-6-4:2001 (Class A)
• for immunity to EMC	EN 61000-6-2
• for safety / from CSA and UL	UL 61010-1, CAN/CSA C22.2 No. 61010-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEx	Yes
• ULhazloc approval	Yes
• CCC / for hazardous zone according to GB standard	Yes
• FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
• railway application in accordance with EN 50155	No
• railway application in accordance with EN 50124-1	No
• RoHS conformity	Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
standards, specifications, approvals / marine classification	
certificate of suitability / shipbuilding approval / note	Certifications marked 'No' are currently under renewal.
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• French marine classification society (BV)	No
• Chinese Classification Society (CCS)	No
• Det Norske Veritas (DNV)	No
• Korean Register of Shipping (KRS)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (NK)	No
• Polski Rejestr Statkow (PRS)	No

Royal Institution of Naval Architects (RINA)	No	
standards, specifications, approvals / Environmental Product Declaration		
Environmental Product Declaration	Yes	
global warming potential [CO2 eq]		
total	212.72999 kg	
during manufacturing	29.12 kg	
during operation	183.38 kg	
after end of life	0.23 kg	
product functions / general		
MTBF	70.9 a	
warranty period	5 a	
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022	
further information / internet links		
internet link		
- to website: Selection guide for cables and connectors - to web page: selection aid TIA Selection Tool - to website: Industrial communication - to web page: SiePortal - to website: Image database - to website: CAX-Download-Manager - to website: Industry Online Support	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com	
security information		
security information	Siemens provides products and solutions with industrial cybersecurity 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 cybersecurity 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 cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . 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 Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)	
Approvals / Certificates		
Environmental Product Declaration		
- global warming potential [CO2 eq] / during manufacturing - global warming potential [CO2 eq] / during operation - global warming potential [CO2 eq] / after end of life - global warming potential [CO2 eq] / total	29.12 kg 183.38 kg 0.23 kg 212.73 kg	
Environment	General Product Approval	
  EG-Konf.   UL Miscellaneous  RCM		
General Product Approval		
For use in hazardous locations		
 EG-Konf. China RoHS   ATEX  IECEx FM		
For use in hazardous locations	Test Certificates	Industrial Communication

last modified:

4/23/2026 