



SCALANCE XB205-3 managed Layer 2 IE switch 5x 10/100 Mbit/s RJ45 ports 3x MM FO ST port 1x console port, diagnostics LED redundant power supply; IEC 62443-4-2 certified; temperature range 0 °C to +60 °C; DIN-rail mounting; default PROFINET.

product type designation	
product brand name	SCALANCE
product type designation	XB205-3
Technical Product Detail Page	<a href="https://i.siemens.com/1P6GK5205-3BB00-2AB2">https://i.siemens.com/1P6GK5205-3BB00-2AB2</a>
transfer rate	
transfer rate	10, 100 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	5; RJ45
number of 100 Mbit/s ST(BFOC) ports	
• for multimode	3
interfaces / other	
number of electrical connections	
• for operator console	1
• for power supply	1
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
<b>type of voltage / 1 / of the supply voltage</b>	
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	7.2 W
• supply voltage / 1 / voltage range	19.2 ... 28.8
• consumed current / 1 / maximum	0.3 A
• product component / 1 / fusing at power supply input	Yes
ambient conditions	
ambient temperature	
• during operation	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	compact
width	80 mm
height	117 mm
depth	109 mm
net weight	0.35 kg
material / of the enclosure	Polycarbonate (PC-GF10)

fastening method	
• 35 mm DIN-rail mounting	Yes
<b>product features, product functions, product components / general</b>	
cascading in the case of a redundant ring / at reconfiguration time of <math>\leq 0.3\text{ s}</math>	50
cascading in cases of star topology	any (depending only on signal propagation time)
<b>product functions / management, configuration, engineering</b>	
product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• configuration with STEP 7	Yes
• RMON	Yes
• port mirroring	Yes
• multiport mirroring	Yes
• CoS	Yes
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
PROFINET conformity class	B
network load class / according to PROFINET	III
telegram length / for Ethernet / maximum	1632 byte
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• SFTP	Yes
• DCP	Yes
• LLDP	Yes
• EtherNet/IP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
• IGMP (snooping/querier)	Yes
identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 - higher level designation/location designation	Yes
<b>product functions / diagnostics</b>	
product function	
• port diagnostics	Yes
• statistics Packet Size	Yes
• statistics packet type	Yes
• error statistics	Yes
• SysLog	Yes
<b>product functions / VLAN</b>	
product function	
• VLAN - port based	Yes
number of VLANs / maximum	257
number of VLANs - dynamic / maximum	257
number of VLANs / at ring redundancy (HRP; MRP; standby link)	257
<b>product functions / DHCP</b>	
product function	
• DHCP client	Yes
<b>product functions / redundancy</b>	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
• media redundancy protocol (MRP) with redundancy	Yes

manager	
• Media Redundancy Protocol Interconnection (MRP-I)	Yes
• of the PROFINET IO device / is supported / PROFINET system redundancy	No
• ring redundancy	Yes
• high speed redundancy protocol (HRP) with redundancy manager	Yes
• high speed redundancy protocol (HRP) with standby redundancy	Yes
• redundancy procedure STP	Yes
• redundancy procedure RSTP	Yes
• redundancy procedure RSTP+	Yes
• Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
• passive listening	Yes
<b>product functions / security</b>	
product function	
• IEEE 802.1x (radius)	Yes
• RADIUS client	Yes
• broadcast/multicast/unicast limiter	Yes
• broadcast blocking	Yes
protocol / is supported	
• SSH	Yes
• SSL	Yes
<b>product functions / time</b>	
product function	
• SICLOCK support	Yes
• NTP-client	Yes
• SNTP client	Yes
protocol / is supported	
• SNTP	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	
• CE marking	Yes
• cULus approval	Yes
• KC approval	Yes
• Regulatory Compliance Mark (RCM)	Yes
standard	
• for EMC interference emission	EN 61000-6-4 (Class A)
• for immunity to EMC	EN 61000-6-2
• for safety / from CSA and UL	UL 60950-1 E115352, CSA C22.2 No. 60950-1
<b>standards, specifications, approvals / hazardous environments</b>	
certificate of suitability	
• ATEX	Yes
• UKEX	Yes
• IECEX	Yes
• ULhazloc approval	Yes
• CCC / for hazardous zone according to GB standard	Yes
• FM registration	Yes
<b>standards, specifications, approvals / other</b>	
certificate of suitability	
• RoHS conformity	Yes
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	266.77 kg
• during manufacturing	40.94 kg
• during operation	225.32 kg

- after end of life

0.51 kg

**product functions / general**

MTBF	55 a
warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022

**further information / internet links**

internet link	<ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a></li> <li>• to web page: selection aid TIA Selection Tool <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a></li> <li>• to website: Industrial communication <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a></li> <li>• to web page: SiePortal <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a></li> <li>• to website: Image database <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a></li> <li>• to website: CAx-Download-Manager <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a></li> <li>• to website: Industry Online Support <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></li> </ul>
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**Approvals / Certificates**

**General Product Approval**



[Declaration of Conformity](#)



[China RoHS](#)



**General Product Approval**      **EMV**      **For use in hazardous locations**

[Miscellaneous](#)

[Declaration of Conformity](#)



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