



SCALANCE XB213-3 managed Layer 2 IE switch 13x 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	SCALANCE XB213-3
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s
number of ports / maximum	16
interfaces / for communication / maximum configuration for modular devices	
number of electrical ports / maximum	13
number of optical ports / maximum	3
interfaces / for communication / integrated	
number of electrical connections	13; RJ45
<ul style="list-style-type: none"> for network components or terminal equipment 	
number of 100 Mbit/s ST(BFOC) ports	3
<ul style="list-style-type: none"> for multimode 	
interfaces / other	
number of electrical connections	1
<ul style="list-style-type: none"> for operator console 	
<ul style="list-style-type: none"> for management purposes 	
number of electrical connections	1
<ul style="list-style-type: none"> for power supply 	
type of electrical connection	RJ11
<ul style="list-style-type: none"> for operator console 	
<ul style="list-style-type: none"> for management purposes 	RJ45
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage	DC
<ul style="list-style-type: none"> supply voltage / 1 / rated value 	24 V
<ul style="list-style-type: none"> power loss [W] / 1 / rated value 	9.8 W
<ul style="list-style-type: none"> supply voltage / 1 / rated value 	19.2 ... 28.8 V
<ul style="list-style-type: none"> consumed current / 1 / maximum 	0.41 A
<ul style="list-style-type: none"> type of electrical connection / 1 / for power supply 	6-pole terminal block
<ul style="list-style-type: none"> product component / 1 / fusing at power supply input 	Yes
ambient conditions	
ambient temperature	0 ... 60 °C
<ul style="list-style-type: none"> during operation 	
<ul style="list-style-type: none"> during storage 	
<ul style="list-style-type: none"> during transport 	-40 ... +70 °C
relative humidity	95 %
<ul style="list-style-type: none"> at 25 °C / without condensation / during operation / maximum 	
protection class IP	IP20
design, dimensions and weights	
design	compact

width	120 mm
height	117 mm
depth	109 mm
net weight	0.5 kg
material / of the enclosure	Polycarbonate (PC-GF10)
fastening method	Yes
• 35 mm top hat DIN rail mounting	Yes
product features, product functions, product components / general	
cascading in the case of a redundant ring / at reconfiguration time of $\leq 0.3\text{ s}$	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
• RMON	Yes
• port mirroring	Yes
• multiport mirroring	Yes
• CoS	Yes
• PROFINET IO diagnosis	Yes
PROFINET conformity class	B
network load class / according to PROFINET	3
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	1632 byte
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	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
product function	
• is supported / identification link	Yes
product functions / diagnostics	
product function	
• port diagnostics	Yes
• statistics Packet Size	Yes
• statistics packet type	Yes
• error statistics	Yes
• SysLog	Yes
• loopback diagnostics	Yes
product functions / VLAN	
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
product functions / DHCP	

product function	
<ul style="list-style-type: none"> • DHCP client 	Yes
product functions / redundancy	
product function	
<ul style="list-style-type: none"> • of the PROFINET IO device / is supported / PROFINET system redundancy 	No
<ul style="list-style-type: none"> • ring redundancy 	Yes
<ul style="list-style-type: none"> • High Speed Redundancy Protocol (HRP) 	Yes
<ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with redundancy manager 	Yes
<ul style="list-style-type: none"> • high speed redundancy protocol (HRP) with standby redundancy 	Yes
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
<ul style="list-style-type: none"> • media redundancy protocol (MRP) with redundancy manager 	Yes
<ul style="list-style-type: none"> • Media Redundancy Protocol Interconnection (MRP-I) 	Yes
<ul style="list-style-type: none"> • redundancy procedure STP 	Yes
<ul style="list-style-type: none"> • redundancy procedure RSTP 	Yes
<ul style="list-style-type: none"> • redundancy procedure RSTP+ 	Yes
<ul style="list-style-type: none"> • Parallel Redundancy Protocol (PRP)/operation in the PRP-network 	No
<ul style="list-style-type: none"> • passive listening 	Yes
protocol / is supported	
<ul style="list-style-type: none"> • LACP 	Yes
product functions / security	
product function	
<ul style="list-style-type: none"> • ACL - MAC-based 	Yes
<ul style="list-style-type: none"> • ACL - port/MAC-based 	Yes
<ul style="list-style-type: none"> • IEEE 802.1x (radius) 	Yes
<ul style="list-style-type: none"> • broadcast/multicast/unicast limiter 	Yes
<ul style="list-style-type: none"> • broadcast blocking 	Yes
protocol / is supported	
<ul style="list-style-type: none"> • SSH 	Yes
<ul style="list-style-type: none"> • SSL 	Yes
product functions / time	
product function	
<ul style="list-style-type: none"> • SICLOCK support 	Yes
<ul style="list-style-type: none"> • NTP-client 	Yes
<ul style="list-style-type: none"> • SNTP client 	Yes
protocol / is supported	
<ul style="list-style-type: none"> • SNTP 	Yes
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> • for FM 	FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4, FM19US0167X
<ul style="list-style-type: none"> • for emitted interference 	EN 61000-6-4 (Class A)
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	45 a
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 	KF
<ul style="list-style-type: none"> • according to IEC 81346-2:2019 	KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
certificate of suitability / RoHS conformity	Yes; 2011/65/EU
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
<ul style="list-style-type: none"> • from CSA and UL 	ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T10, E240480
certificate of suitability	

- CCC / for hazardous zone according to GB standard
- CCC / for hazardous zone according to GB standard / as marking

Yes
Ex nA IIC T4 Gc

standards, specifications, approvals / other

certificate of suitability
 • C-Tick
 • KC approval

EN 61000-6-2, EN 61000-6-4
 Yes
 Yes

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

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Approvals / Certificates

General Product Approval	EMC	For use in hazardous locations		
Manufacturer Declaration  UL	 RCM	ATEX-Zone 2-Declaration  IECEx	FM	
For use in hazardous locations	Declaration of Conformity			
CCC-Ex  UL	 EG-Konf.		Manufacturer Declaration	Miscellaneous
other	Environment			
PROFINET-Certification 				

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