



SCALANCE XB213-3LD managed layer 2 IE switch 13x 10/100 Mbit/s RJ45 ports, 3x SM FO SC-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 XB213-3LD
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 SC ports	3
<ul style="list-style-type: none"> for single mode (LD) 	
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 	9.6 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 	0.4 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	Box

width	120 mm
height	117 mm
depth	109 mm
net weight	0.5 kg
material / of the enclosure	Plastic
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
• multipoint mirroring	No
• CoS	Yes
• PROFINET IO diagnosis	Yes
PROFINET conformity class	B
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	1522 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 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
product functions / DHCP	
product function	
• DHCP client	Yes
product functions / redundancy	
product function	
• ring redundancy	Yes
• High Speed Redundancy Protocol (HRP)	Yes
• high speed redundancy protocol (HRP) with redundancy	Yes

manager	
<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
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, T11, E240480
certificate of suitability	
<ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard 	Yes
<ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard / as marking 	Ex nA IIC T4 Gc
standards, specifications, approvals / other	
certificate of suitability	EN 61000-6-2, EN 61000-6-4
<ul style="list-style-type: none"> C-Tick 	Yes
<ul style="list-style-type: none"> KC approval 	Yes
further information / internet links	
internet link	
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool 	http://www.siemens.com/tia-selection-tool

- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

- <http://www.siemens.com/simatic-net>
- <https://mall.industry.siemens.com>
- <http://www.siemens.com/industry/infocenter>
- <http://automation.siemens.com/bilddb>
- <http://www.siemens.com/cax>
- <https://support.industry.siemens.com>

security information

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