



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 <ul style="list-style-type: none">for network components or terminal equipment	13; RJ45
number of 100 Mbit/s SC ports <ul style="list-style-type: none">for single mode (LD)	3
interfaces / other	
number of electrical connections <ul style="list-style-type: none">for operator consolefor management purposesfor power supply	1 1 1
type of electrical connection <ul style="list-style-type: none">for operator consolefor management purposes	RJ11 RJ45
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage <ul style="list-style-type: none">supply voltage / 1 / rated valuepower loss [W] / 1 / rated valuesupply voltage / 1 / rated valueconsumed current / 1 / maximumtype of electrical connection / 1 / for power supplyproduct component / 1 / fusing at power supply input	DC 24 V 9.6 W 19.2 ... 28.8 V 0.4 A 6-pole terminal block Yes
ambient conditions	
ambient temperature <ul style="list-style-type: none">during operationduring storageduring transport	0 ... 60 °C -40 ... +70 °C -40 ... +70 °C
relative humidity <ul style="list-style-type: none">at 25 °C / without condensation / during operation / maximum	95 %
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	
• 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 $< \sim 0.3 \text{ s}$	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	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 manager	Yes
• high speed redundancy protocol (HRP) with standby	Yes

redundancy protocol / is supported / Media Redundancy Protocol (MRP) product function <ul style="list-style-type: none"> media redundancy protocol (MRP) with redundancy manager Media Redundancy Protocol Interconnection (MRP-I) redundancy procedure STP redundancy procedure RSTP redundancy procedure RSTP+ Parallel Redundancy Protocol (PRP)/operation in the PRP-network passive listening protocol / is supported <ul style="list-style-type: none"> LACP 	Yes Yes Yes Yes Yes No Yes Yes
product functions / security	
product function <ul style="list-style-type: none"> ACL - MAC-based ACL - port/MAC-based IEEE 802.1x (radius) broadcast/multicast/unicast limiter broadcast blocking protocol / is supported <ul style="list-style-type: none"> SSH SSL 	Yes Yes Yes Yes Yes Yes Yes
product functions / time	
product function <ul style="list-style-type: none"> SICLOCK support NTP-client SNTP client protocol / is supported <ul style="list-style-type: none"> SNTP 	Yes Yes Yes Yes
standards, specifications, approvals	
standard <ul style="list-style-type: none"> for emitted interference for interference immunity IT security for industrial automation systems / according to IEC 62443-4-2:2019 reference code <ul style="list-style-type: none"> according to IEC 81346-2 according to IEC 81346-2:2019 	EN 61000-6-4 (Class A) EN 61000-6-2 Yes KF KFE
standards, specifications, approvals / CE	
certificate of suitability / CE marking certificate of suitability / RoHS conformity	Yes Yes; 2011/65/EU
standards, specifications, approvals / hazardous environments	
standard / for hazardous zone certificate of suitability <ul style="list-style-type: none"> CCC / for hazardous zone according to GB standard 	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X Yes
standards, specifications, approvals / other	
certificate of suitability <ul style="list-style-type: none"> C-Tick KC approval 	EN 61000-6-2, EN 61000-6-4 Yes Yes
further information / internet-Links	
Internet-Link <ul style="list-style-type: none"> to web page: selection aid 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/tia-selection-tool 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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