

Product type designation
Product description



SCALANCE XB213-3LD
Preset for Ethernet/IP mode!
SCALANCE XB213-3LD MANAGEABLE LAYER 2 IE-SWITCH 13X
10/100 MBITS/S RJ45 PORTS 3X SM FO SC-PORT 1X CONSOLE
PORT DIAGNOSTICS LED REDUNDANT POWER SUPPLY TEMP.
RANGE 0 DGR C UP TO +60 DGR C; DIN-RAIL MOUNTING
ETHERNET/IP CONFORMAL DEFAULT ETHERNET/IP

Transmission rate

Transfer rate	10 Mbit/s, 100 Mbit/s
---------------	-----------------------

Interfaces

Number of electrical/optical connections	
• for network components or terminal equipment / maximum	16
Number of electrical connections	
• for network components or terminal equipment	13
Type of electrical connection	
• for network components or terminal equipment	RJ45 port
Number of optical interfaces	
• for fiber optic cable / at 100 Mbit/s	3

Interfaces / for communication / integrated

Number of 100 Mbit/s SC ports	
• for multimode	0
Number of 1000 Mbit/s LC ports	
• for multimode	0
• for single mode (LD)	0

Interfaces / others

Number of electrical connections	
• for operator console	1
• for management purposes	1

• for power supply	1
• for redundant voltage supply	1
Type of electrical connection	
• for operator console	RJ11 port
• for management purposes	RJ45 port
• for power supply	6-pole terminal block

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	
• external	24 V
• external	19.2 ... 28.8 V
Product component / fusing at power supply input	Yes

Permitted 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	IP27

Design, dimensions and weight

Design	compact
Width	120 mm
Height	124 mm
Depth	116 mm
Material / of the enclosure	Plastic
Mounting type	
• 35 mm DIN rail mounting	Yes
• wall mounting	No
• S7-300 rail mounting	No
• S7-1500 rail mounting	No

Product properties, functions, components / general

Cascading in the case of a redundant ring / at reconfiguration time of ≤ 0.3 s	50
Cascading in cases of star topology	any (depending only on signal propagation time)

Product functions / management, configuration

Product function	
• CLI	Yes
• web-based management	Yes

• MIB support • TRAPs via email • Configuration with STEP 7 • RMON • Port mirroring • multiport mirroring • CoS • with IRT / PROFINET IO switch • PROFINET IO diagnosis • switch-managed	Yes Yes Yes Yes Yes No Yes No Yes Yes
Protocol / is supported	
• Telnet • HTTP • HTTPS • TFTP • FTP • BOOTP • DCP • LLDP • EtherNet/IP • IGMP (snooping/querier)	Yes Yes Yes Yes Yes No Yes Yes Yes Yes
Identification & maintenance function	
• I&M0 - device-specific information • I&M1 – higher-level designation/location designation	Yes Yes
Protocol / is supported	
• SNMP v1 • SNMP v2 • SNMP v3	Yes Yes Yes

Product functions / Diagnosis

Product function	
• Port diagnostics • Statistics Packet Size • Statistics packet type • Error statistics • SysLog • loopback diagnostics	Yes Yes Yes Yes Yes Yes

Product functions / VLAN

Product function	
• VLAN - port based • VLAN - protocol-based	Yes No

- VLAN - IP-based
- VLAN dynamic

No

No

Product functions / DHCP

Product function

- DHCP client

Yes

Product functions / Redundancy

Product function

- Ring redundancy
- High Speed Redundancy Protocol (HRP)
- high speed redundancy protocol (HRP) with redundancy manager
- high speed redundancy protocol (HRP) with standby redundancy

Yes

Yes

Yes

No

Protocol / is supported / Media Redundancy Protocol (MRP)

Yes

Product function

- media redundancy protocol (MRP) with redundancy manager
- redundancy procedure STP
- redundancy procedure RSTP
- redundancy procedure MSTP
- Passive listening

Yes

Yes

Yes

Yes

Yes

Product functions / Security

Product function

- ACL - MAC-based
- IEEE 802.1x (radius)
- Broadcast/Multicast/Unicast Limiter
- broadcast blocking

Yes

Yes

Yes

Yes

Protocol / is supported

- SSH

Yes

Product functions / Time

Product function

- SICLOCK support

Yes

Protocol / is supported

- NTP
- SNTP

Yes

Yes

Standards, specifications, approvals

Standard

- for FM

FM3611: Class 1, Division 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T11

• for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
• for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-8
• for hazardous zone / 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
• for emitted interference	EN 61000-6-4 (Class A)
• for interference immunity	EN 61000-6-9
Certificate of suitability	EN 61000-6-2, EN 61000-6-11
• CE marking	Yes
• C-Tick	Yes
• KC approval	Yes
• Railway application in accordance with EN 50155	No
• Railway application in accordance with EN 50124-1	No
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• Bureau Veritas (BV)	No
• Det Norske Veritas (DNV)	No
• Germanische Lloyd (GL)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (NK)	No
• Polski Rejestr Statkow (PRS)	No

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• 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/automation/net/catalog
• 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

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

last modified:

27.06.2015