



SCALANCE XCM328 managed layer 2 IE switch, 24x 10/100/1000 Mbit/s RJ45, 4x 1/10 Gbit/s SFP+ port, LED diagnostics, error signaling contact with select/set pushbutton, PROFINET IO device, network management, redundancy functions, office features (RSTP, VLAN, IGMP,...) CLP included in scope of supply assembly: DIN rail/S7 mounting rail .

product type designation	
product brand name	SCALANCE
product type designation	XCM328
Technical Product Detail Page	https://l.siemens.com/1P6GK5328-4TS01-2AC2
transfer rate	
transfer rate	10, 100, 1000 Mbit/s
transfer rate	10 Gbit/s
interfaces / for communication / integrated	
number of electrical connections	
• for network components or terminal equipment	24; RJ45
number of 10/100/1000 Mbit/s RJ45 ports	
• with securing collar	24
number of electrical connections	
• for SFP+	4
interfaces / other	
number of electrical connections	
• for operator console	1
• for signaling contact	1
• for power supply	1
type of electrical connection	
• for operator console	USB (2.0 type B, USB-to-serial adapter)
• for signaling contact	2-pole terminal block
• for power supply	2 x 2-pole terminal block
design of the removable storage	
• CLP	Yes
operating voltage / of the signaling contacts	
• at DC / rated value	24 V
operational current / of the signaling contacts	
• at DC / maximum	0.1 A
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage	DC
• supply voltage / 1 / rated value	24 V
• power loss [W] / 1 / rated value	43.2 W
• power loss [W] / at DC / at 24 V / typical	25.92 W
• supply voltage / 1 / voltage range	19.2 ... 28.8
• consumed current / 1 / maximum	1.8 A
• consumed current / at DC / at 24 V / typical	1.08 A
• type of electrical connection / 1 / for power supply	2 x 2-pole terminal block

<ul style="list-style-type: none"> product component / 1 / fusing at power supply input fuse protection type / 1 / at input for supply voltage 	<p>Yes</p> <p>F 10 A / 250 V</p>
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	<p>-40 ... +60 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p>
relative humidity	
<ul style="list-style-type: none"> at 25 °C / without condensation / during operation / maximum 	95 %
operating condition / fanless operation	Yes
protection class IP	IP20
design, dimensions and weights	
design	compact
width	210 mm
height	147 mm
depth	125 mm
net weight	1.9 kg
fastening method	
<ul style="list-style-type: none"> 19-inch installation 35 mm DIN-rail mounting wall mounting S7-300 rail mounting S7-1500 rail mounting 	<p>No</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
product license	
product license / Upgrade license	Yes; layer 3 license
product functions / management, configuration, engineering	
product function	
<ul style="list-style-type: none"> CLI web-based management MIB support TRAPs via email configuration with STEP 7 RMON port mirroring multiport mirroring Encapsulated Remote Traffic Mirroring (ERTM) CoS PROFINET IO diagnosis switch-managed 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
PROFINET conformity class	B
network load class / according to PROFINET	II
telegram length / for Ethernet / maximum	9194 byte
protocol / is supported	
<ul style="list-style-type: none"> Telnet HTTP HTTPS TFTP FTP SFTP BOOTP NETCONF GMRP DCP LLDP EtherNet/IP SNMP v1 SNMP v2 SNMP v3 	<p>No</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>Yes</p>

<ul style="list-style-type: none"> IGMP (snooping/querier) 	Yes
identification & maintenance function	
<ul style="list-style-type: none"> I&M0 - device-specific information I&M1 - higher level designation/location designation 	Yes Yes
product functions / diagnostics	
product function	
<ul style="list-style-type: none"> port diagnostics statistics Packet Size statistics packet type error statistics SysLog 	Yes Yes Yes Yes Yes
product functions / VLAN	
product function	
<ul style="list-style-type: none"> VLAN - port based VLAN - protocol-based VLAN - IP-based VLAN dynamic 	Yes No No Yes
number of VLANs / maximum	2048
number of VLANs - dynamic / maximum	2048
product functions / DHCP	
product function	
<ul style="list-style-type: none"> DHCP server DHCP client DHCP Option 82 DHCP Option 66 DHCP Option 67 	No Yes No Yes Yes
product functions / redundancy	
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
<ul style="list-style-type: none"> media redundancy protocol (MRP) with redundancy manager Media Redundancy Protocol Interconnection (MRP-I) ring redundancy high speed redundancy protocol (HRP) with redundancy manager high speed redundancy protocol (HRP) with standby redundancy redundancy procedure STP redundancy procedure RSTP redundancy procedure RSTP+ redundancy procedure MSTP passive listening eRSTP 	Yes No Yes No No Yes Yes No Yes Yes Yes
protocol / is supported	
<ul style="list-style-type: none"> LACP 	Yes
product functions / security	
protocol / is supported	
<ul style="list-style-type: none"> RADIUS SSH SSL 	Yes Yes Yes
product functions / time	
product function	
<ul style="list-style-type: none"> SICLOCK support NTP-client IEEE 1588 v2 transparent forwarding 	Yes Yes Yes
protocol / is supported	
<ul style="list-style-type: none"> NTP IEEE 1588 profile default 	Yes Yes
standards, specifications, approvals	

certificate of suitability	
<ul style="list-style-type: none"> • CE marking • UKCA marking • cULus approval • KC approval • Regulatory Compliance Mark (RCM) 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
product conformity / according to EMC-guideline	2014/30/EU
standard	
<ul style="list-style-type: none"> • for EMC interference emission • for immunity to EMC • for safety / from CSA and UL 	<p>EN 61000-6-4</p> <p>EN 61000-6-2</p> <p>UL-61010-2 E85972</p>
standards, specifications, approvals / hazardous environments	
certificate of suitability	
<ul style="list-style-type: none"> • ATEX • UKEX • IECEx • ULhazloc approval • CCC / for hazardous zone according to GB standard • FM registration 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
standards, specifications, approvals / other	
certificate of suitability	
<ul style="list-style-type: none"> • railway application in accordance with EN 50121-4 • railway application in accordance with EN 50125-3 	<p>Yes; use only in areas not accessible to the public</p> <p>Yes; Section 4.2: Class AX (up to 2000m); section 4.3: T1: Containers N.T.C and T.C. / Buildings N.C.C and C.C, T2: Containers N.T.C and T.C. / Buildings N.C.C and C.C, TX: Containers N.T.C and T.C. / Buildings N.C.C and C.C., derating according to the manual must be observed when SFP/SFP+ transceivers are used --> only for variants with optical connections; In addition, depending on the installation position, the derating according to the manual must be taken into account; section 4.4: T1: Containers C.C. / Buildings N.C.C and C.C., T2: Containers C.C. / Buildings N.C.C and C.C, T3: Containers C.C. / Buildings N.C.C and C.C; section 4.11: C1: Indoor, C2: Indoor (except condensation), C3: Indoor (except condensation), 4B1, 4S10, UL 61010-2-10; section 4.13: partially, Test Fc: Vibration EN 60068-2-6; IEC 60068-2-6, Test Ea: Shock EN 60068-2-27; IEC 60068-2-27, Test Ec: Rough handling, shocks EN 60068-2-31; IEC 60068-2-31; section 4.14: yes; section 4.15: yes, according to manual.</p>
<ul style="list-style-type: none"> • RoHS conformity 	Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> • total • during manufacturing • during operation • after end of life 	<p>1244.3 kg</p> <p>122.74 kg</p> <p>1120.64 kg</p> <p>0.91 kg</p>
product functions / general	
MTBF	15.6 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"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	<p>https://support.industry.siemens.com/cs/ww/en/view/109766358</p> <p>https://www.siemens.com/tstcloud</p> <p>https://www.siemens.com/simatic-net</p> <p>https://sieportal.siemens.com/</p> <p>https://www.automation.siemens.com/bilddb</p> <p>https://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p>
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions

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Approvals / Certificates

General Product Approval



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For use in hazardous locations

Test Certificates



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