



SCALANCE XCM324 managed layer 2 IE switch, 16x 10/100/1000 Mbit/s RJ45, 8x 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
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	16; RJ45
number of 10/100/1000 Mbit/s RJ45 ports • with securing collar	16
number of electrical connections • for SFP+	8; 1000 Mbps and 10000 Mbps SFP usable
interfaces / other	
number of electrical connections • for operator console • for signaling contact • for power supply	1 1 1
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
<b>type of voltage / 1 / of the supply voltage</b> • supply voltage / 1 / rated value • power loss [W] / 1 / rated value • power loss [W] / at DC / at 24 V / typical • supply voltage / 1 / rated value • consumed current / 1 / maximum • consumed current / at DC / at 24 V / typical • product component / 1 / fusing at power supply input	24 V 43.2 W 25.92 W 19.2 ... 28.8 V 1.8 A 1.08 A Yes
ambient conditions	
ambient temperature • during operation • during storage • during transport	-40 ... +60 °C -40 ... +85 °C -40 ... +85 °C
relative humidity • at 25 °C / without condensation / during operation /	95 %

maximum	
operating condition / fanless operation	Yes
protection class IP	IP20
<b>design, dimensions and weights</b>	
design	compact
width	210 mm
height	147 mm
depth	125 mm
net weight	1.8 kg
fastening method	
• 19-inch installation	No
• 35 mm DIN-rail mounting	Yes
• wall mounting	Yes
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	Yes
<b>product license</b>	
product license / Upgrade license	Yes; layer 3 license
<b>product functions / management, configuration, engineering</b>	
product function	
• CLI	Yes
• web-based management	Yes
• MIB support	Yes
• TRAPs via email	Yes
• configuration with STEP 7	Yes
• RMON	No
• port mirroring	Yes
• multiport mirroring	Yes
• Encapsulated Remote Traffic Mirroring (ERTM)	Yes
• CoS	Yes
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
PROFINET conformity class	B
telegram length / for Ethernet / maximum	1632 byte
protocol / is supported	
• Telnet	No
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• SFTP	Yes
• BOOTP	Yes
• NETCONF	Yes
• GMRP	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
<b>product functions / diagnostics</b>	
product function	
• port diagnostics	Yes
• statistics Packet Size	Yes
• statistics packet type	Yes
• error statistics	Yes
• SysLog	Yes

**product functions / VLAN**

product function	
• VLAN - port based	Yes
• VLAN - protocol-based	No
• VLAN - IP-based	No
• VLAN dynamic	Yes
number of VLANs / maximum	512
number of VLANs - dynamic / maximum	512

**product functions / DHCP**

product function	
• DHCP server	No
• DHCP client	Yes
• DHCP Option 82	No
• DHCP Option 66	Yes
• DHCP Option 67	Yes

**product functions / redundancy**

protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function	
• media redundancy protocol (MRP) with redundancy manager	Yes
• Media Redundancy Protocol Interconnection (MRP-I)	No
• ring redundancy	Yes
• high speed redundancy protocol (HRP) with redundancy manager	No
• high speed redundancy protocol (HRP) with standby redundancy	No
• redundancy procedure STP	Yes
• redundancy procedure RSTP	Yes
• redundancy procedure RSTP+	Yes
• redundancy procedure MSTP	Yes
• passive listening	No
• eRSTP	Yes
protocol / is supported	
• LACP	No

**product functions / security**

protocol / is supported	
• RADIUS	Yes
• SSH	Yes
• SSL	Yes

**product functions / time**

product function	
• SICLOCK support	Yes
• NTP-client	Yes
• IEEE 1588 v2 transparent forwarding	Yes
protocol / is supported	
• NTP	Yes
• IEEE 1588 profile default	Yes

**standards, specifications, approvals**

certificate of suitability	
• CE marking	Yes
• UKCA marking	Yes
• cULus approval	Yes
• KC approval	Yes
• Regulatory Compliance Mark (RCM)	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
• for EMC interference emission	EN 61000-6-4
• for immunity to EMC	EN 61000-6-2
• for safety / from CSA and UL	UL-61010-2 E85972

**standards, specifications, approvals / hazardous environments**

certificate of suitability	
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<ul style="list-style-type: none"> <li>• ATEX</li> <li>• UKEX</li> <li>• IECEx</li> <li>• ULhazloc approval</li> <li>• CCC / for hazardous zone according to GB standard</li> <li>• FM registration</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
<b>standards, specifications, approvals / other</b>	
<p>certificate of suitability</p> <ul style="list-style-type: none"> <li>• railway application in accordance with EN 50121-4</li> <li>• railway application in accordance with EN 50125-3</li> </ul>	<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 --&gt; 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"> <li>• RoHS conformity</li> </ul>	<p>Yes</p>
<p>resistance to air pollution / conformity according to ANSI/ISA-71.04</p>	<p>Yes; G3</p>
<p>IT security for industrial automation systems / according to IEC 62443-4-2:2019</p>	<p>Yes</p>
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
<p>Environmental Product Declaration</p>	<p>Yes</p>
<p>global warming potential [CO2 eq]</p> <ul style="list-style-type: none"> <li>• total</li> <li>• during manufacturing</li> <li>• during operation</li> <li>• after end of life</li> </ul>	<p>1244.3 kg</p> <p>122.74 kg</p> <p>1120.64 kg</p> <p>0.91 kg</p>
<b>product functions / general</b>	
<p>MTBF</p>	<p>13.4 a</p>
<p>reference code</p> <ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> <li>• according to IEC 81346-2:2019</li> </ul>	<p>KF</p> <p>KFE</p>
<p>Warranty period</p>	<p>5 a</p>
<p>product function / is supported / identification link</p>	<p>Yes; acc. to IEC 61406-1:2022</p>
<b>further information / internet links</b>	
<p>internet link</p> <ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to web page: SiePortal</li> <li>• to website: Image database</li> <li>• to website: CAx-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<p><a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a></p> <p><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a></p> <p><a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a></p> <p><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a></p> <p><a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a></p> <p><a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>
<b>security information</b>	
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Approvals / Certificates

General Product Approval For use in hazardous locations



[Miscellaneous](#)



[TUEV](#)



For use in hazardous locations Test Certificates Environment



[FM](#)

[CCC-Ex](#)



[Type Test Certificates/Test Report](#)



Industrial Communication

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