

OFFICIAL MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

6GK5224-4GS00-2TC2

Siemens official documentation for the exact article number.

Source: 6GK5224-4GS00-2TC2.pdf

Selected official Siemens pages follow this cover.



SCALANCE XC224-4C G (E/IP) manageable layer 2 IE Switch; Full Gigabit; 20x 10/100/1000 Mbps RJ45 ports; 4x 1000 Mbps combo ports (either 1000 Mbps s SFPs or 10/100/1000 Mbps RJ45 ports can be used); 1x console port; Diagnostic LED; redundant power supply; Temp. range -40 °C to +70 °C; Mounting: Standard mounting rail/S7 mounting rail/wall; redundancy functions; office features (RSTP, VLAN, ...); PROFINET IO Device; Ethernet/IP conformity; C-PLUG shaft; Default EtherNet/IP

Product type designation		SCALANCE XC224-4C G (E/IP def.)
Transfer rate		
Transfer rate		10 Mbit/s, 100 Mbit/s, 1000 Mbit/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 / Integrated		24
Number of combo ports / with RJ45 interface for optical plug-in transceiver		4; 1000 MBit/s SFPs
Interfaces / for communication / plug-in		
Number of electrical connections		
• for SFP		4; 1000 MBit/s
Interfaces / other		
Number of electrical connections		
• for operator console		1
• for signaling contact		1
• for power supply		1

• for redundant voltage supply	1
Type of electrical connection	
• for operator console • for signaling contact • for power supply	RJ11 2-pole terminal block 3-pole terminal block, permanently installed
design of the removable storage	
• C-PLUG	Yes
Signal inputs/outputs	
Operating voltage / of the signaling contacts	
• at DC / Rated value	24 V
Supply voltage, current consumption, power loss	
Type of voltage / of the supply voltage	DC
Supply voltage	
• external • external / minimum • external / maximum	24 V 9.6 V 31.2 V
Supply voltage / 4 / Rated value	
• Consumed current / 4 / at rated supply voltage / maximum	0.7 A
Product component / fusing at power supply input	Yes
Fuse protection type / at input for supply voltage	3.15 A / 125 V
Power loss [W]	
• at DC / at 24 V	16.8 W
Ambient conditions	
Ambient temperature	
• during operation • during storage • during transport	-40 ... +70 °C -40 ... +85 °C -40 ... +85 °C
Relative humidity	
• at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20
Design, dimensions and weights	
Design	compact
Width	140 mm
Height	150 mm
Depth	125 mm
Net weight	1.3 kg
Material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
Mounting type	
• 35 mm DIN rail mounting	Yes

• wall mounting	No
• S7-300 rail mounting	Yes
• S7-1500 rail mounting	Yes
Product features, product functions, product 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 function / QoS according to DSCP	Yes
Product feature	
• Cut Through switching method	No
• Store & Forward switching method	Yes
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
• SMTP server	No
• Port mirroring	Yes
• multiport mirroring	Yes
• CoS	Yes
• PROFINET IO diagnosis	Yes
PROFINET conformity class	B
Product function / switch-managed	Yes
Telegram length / for Ethernet / maximum	1632 byte
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• BOOTP	No
• 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
Product functions / Diagnostics	
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
Number of VLANs / maximum	257
Number of VLANs - dynamic / maximum	257
Protocol / is supported / GVRP	Yes
Product functions / DHCP	
Product function	
• DHCP server	Yes
• DHCP client	Yes
• DHCP Option 82	Yes
• DHCP Option 66	Yes
• DHCP Option 67	Yes
Product functions / redundancy	
Product function	
• of the PROFINET IO device / is supported / PROFINET system redundancy (S2)	Yes
• 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 redundancy	Yes
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product function	
• media redundancy protocol (MRP) with redundancy manager	Yes