SIEMENS

Data sheet

6GK5534-2TR00-4AR3

SCALANCE XR526-8; managed layer 3 IE switch, 19" rack; 24x 100/1000 Mbps RJ45 port; 2x 1G/2.5G/5G/10 Gbps RJ45 port, 8x 1G/10G SFP+ port; LED diagnostics; error signaling contact; select/set button; PROFINET IO device; network management; integrated redundancy manager; office features (RSTP, VLAN, IGMP,...); CLP included in scope of supply; power supply 2x 230 V AC;



product type designation		
product brand name	SCALANCE	
transfer rate		
transfer rate	10, 100, 1000 Mbit/s	
transfer rate	2.5, 5, 10 Gbit/s	
interfaces / for communication / integrated		
number of electrical connections		
 for network components or terminal equipment 	26; RJ45 with securing collar	
number of 10/100/1000 Mbit/s RJ45 ports		
with securing collar	24	
number of 1000/2500/5000/10000 Mbps RJ45 ports / with securing collar	2	
number of electrical connections		
• for SFP+	8; 1000 Mbps and 10000 Mbps SFP usable	
interfaces / other		
number of electrical connections		
 for operator console 	1	
 for signaling contact 	1	
• for power supply	2	
type of electrical connection		
 for operator console 	USB (2.0 Port, Type B, serial via USB)	
 for signaling contact 	2-pole terminal block	
• for power supply	IEC plug C14 AC supply or 2-pole terminal block for DC supply	
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 supply / redundant power supply unit	Yes	
type of voltage / 1 / of the supply voltage	DC	
supply voltage / 1 / rated value	100V 250V DC	
power loss [W] / 1 / rated value	99 W	
supply voltage / 1 / rated value	77 300 V	
consumed current / 1 / maximum	0.8 A	
 type of electrical connection / 1 / for power supply 	2-pole terminal block	
 product component / 1 / fusing at power supply input 	Yes	
• fuse protection type / 1 / at input for supply voltage	F 4A / 250 V	

type of voltage / 2 / of the supply voltage	AC (50 / 60Hz)
 supply voltage / 2 / rated value 	240 V; 100V 240V AC
power loss [W] / 2 / rated value	99 W
 supply voltage / 2 / rated value 	85 264 V
 consumed current / 2 / maximum 	0.8 A
 type of electrical connection / 2 / for power supply 	C14, IEC plug
fuse protection type / 2 / at input for supply voltage	F 4A / 250 V
ambient conditions	
ambient temperature / in horizontal mounting position / during operation	-25 +60 °C; Starting at -25 °C; The maximum ambient temperature during operation depends on the operating height and the plug-in transceivers, see also manual.
installation altitude / at height above sea level / maximum	3000 m
relative humidity	
 at 25 °C / without condensation / during operation / maximum 	95 %
operating condition / fanless operation	Yes
protection class IP	IP20
design, dimensions and weights	
design	19-inch rack
number of modular height units / relating to 19-inch cabinet	1
width	446 mm
height	43.6 mm
depth	374.8 mm
net weight	8.4 kg
material / of the enclosure	metal
fastening method	
19-inch installation	Yes
product features, product functions, product components / gen	
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)
number of automatically learnable MAC addresses	16382
number of QoS queues / per port	8
product function	
QoS according to IEEE 802.1Q	Yes
product feature	
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
PRIVIN port mirroring	Yes
	Yes
multiport mirroring Cos	
• COS	Yes
PROFINET IO diagnosis	Yes
switch-managed PROFINET conformity class	Yes
PROFINET conformity class	B
network load class / according to PROFINET	
telegram length / for Ethernet / maximum	9194 byte
protocol / is supported	Voc
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• SFTP	Yes
• BOOTP	Yes
NETCONF	No

OKMP Yes	CMPD	Vos
EIROPHORIST Yes		
ElbandwellP		
SMMP 1/2 SM		
SNMP v3		
MAIN - Imper level designation of maintenance function		
identification & maintenance function • IRMO - device-specific information • port diagnostics • port diagnostics • port diagnostics • statistics Parket Size • statistics parket type • designation of the statistics • systlog • condition of the statistics • systlog • product functions / VLAN • product functions • VLAN - port based • VLAN - port based • VLAN - protocol-based		
HAMD - televice-specific information Yes		res
MAIN - higher level designation location designation Yes		Voc
product functions / diagnostics product functions product functions / ves product functions /	·	
product function • port diagnostics • statistics Packet Size • statistics packet type • des • statistics packet type • des • cerror statistics • yes • syst.og • yes •		res
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error statistics		
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product functions / VLAN prot based		
product function • VLAN - protocol-based • V		1 05
• VLAN - protoco-based • VLAN - protoco-based • VLAN - protoco-based • VLAN - protoco-based • VLAN dynamic - yes - NUMBOR OF VLANS / maximum - 257 - number of VLANS - dynamic / maximum - 257 - number of VLANS / at ring redundancy (HRP; MRP; standby link) product functions / DHCP product functions / DHCP product functions / DHCP product function 82 - DHCP Option 82 - DHCP Option 82 - DHCP Option 87 - Yes - DHCP Option 89 - Service / routing / note - product function - static IP routing IPv6 - dynamic IP routing - dynamic IP routing IPv6 - dynamic IP routing IPv6 - Option 97 - Yes - RIPNG for IPv6 - VRRP - VRRP for IPv6 - VRRP - VRRP for IPv6 - Wes - Index of IPv6 - No - OSPFv2 - VRRP Yes - VRRP Media Redundancy Protocol (MRP) with redundancy manager - Media Redundancy - Yes - Ingredundancy - Ingredundancy - Yes - Ingredundancy - Ingredundancy - Yes - Ingredundancy - Ingredundancy - Yes - Ingredundancy - Ingredundancy - Yes - Ingredundancy - Ingredundancy - Yes - Ingredundancy - Ingr		
VLAN - IP-based No VLAN (Pynamic Yes Number of VLANs / maximum 257 number of VLANs / maximum 257 number of VLANs / at ring redundancy (HRP, MRP; standby link) zerduct functions / DHCP product function DHCP server Yes DHCP Option 82 Yes DHCP Option 86 Yes DHCP Option 66 Yes DHCP Option 67 Yes product functions / routing service / routing / note product functions / routing service / routing / note + static IP routing IPv6 Anamic IP routing IPv6 Anamic IP routing IPv6 Anamic IP routing IPv6 Anamic IP routing IPv6 Profocol / is supported RIPv2 RIPvG or IPv6 VRRP VRRP for IPv6 No VRRP VRRP for IPv6 No media redundancy protocol (MRP) with redundancy manager Media Redundancy Pres Neigh speed redundancy protocol (MRP-II) Neigh speed redundancy Pres Neigh speed redundancy Pres Neigh speed redundancy protocol (MRP) yes Neigh speed redundancy Pres Neigh speed redundancy protocol (MRP) Yes Neigh speed redundancy protocol (MRP) With standby Nei		Voo
VLAN cynamic number of VLANs / maximum number of VLANs / maximum 257 number of VLANs / darking redundancy (HRP; MRP: standby link) product functions / DHCP product function DHCP server DHCP client DHCP Option 86 Yes DHCP Option 87 Pess DHCP Option 87 Pess Poduct functions / routing service / routing / note product functions / routing service / routing / note static IP routing IPv6 dynamic IP routing IPv6 dynamic IP routing IPv6 dynamic IP routing IPv6 RIPV2 RIPNG for IPv6 Ves Poduct function **Ves **Service / RiPV6 RIPNG for IPv6 Ves **OSPFV2 **OSPFV2 **OSPFV2 **OSPFV3 for IPv6 Ves Product function **media redundancy protocol (MRP) with redundancy manager **Media Redundancy protocol (MRP) with redundancy manager **Media Redundancy protocol (MRP) with redundancy manager **Nes **Ingrediance in the standard in t		
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product functions / DHCP product function		257
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product function • static IP routing IPv6 • static IP routing IPv6 • dynamic IP routing IPv6 • dynamic IP routing IPv6 • RIPv2 • RIPv2 • RIPnG for IPv6 • OSPFv2 • OSPFv3 for IPv6 • VRRP • VRRP Yes	DHCP clientDHCP Option 82DHCP Option 66	Yes Yes Yes
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product functions / redundancy protocol / is supported / Media Redundancy Protocol (MRP) product function • media redundancy protocol (MRP) with redundancy manager • Media Redundancy Protocol Interconnection (MRP-I) • of the PROFINET IO device / is supported / PROFINET system redundancy • ring redundancy • high speed redundancy protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with standby Yes	DHCP client DHCP Option 82 DHCP Option 66 DHCP Option 67 product functions / routing service / routing / note product function static IP routing static IP routing IPv6 dynamic IP routing dynamic IP routing IPv6 protocol / is supported RIPv2 RIPnG for IPv6 OSPFv2	Yes Yes Yes Yes Yes IP routing integrated Yes No Yes No Yes No
protocol / is supported / Media Redundancy Protocol (MRP) product function • media redundancy protocol (MRP) with redundancy manager • Media Redundancy Protocol Interconnection (MRP-I) • of the PROFINET IO device / is supported / PROFINET system redundancy • ring redundancy • high speed redundancy protocol (HRP) with redundancy manager • high speed redundancy protocol (HRP) with standby Yes Yes	DHCP client DHCP Option 82 DHCP Option 66 DHCP Option 67 product functions / routing service / routing / note product function static IP routing static IP routing IPv6 dynamic IP routing dynamic IP routing IPv6 protocol / is supported RIPv2 RIPnG for IPv6 OSPFv2 OSPFv3 for IPv6	Yes Yes Yes Yes Yes IP routing integrated Yes No Yes No Yes No Yes No Yes No
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* rodundancy procedure MSTP * redundancy procedure (RPP) procedure (R	 redundancy procedure STP 	Yes
**redundancy procedure MSTP **High-realishity Seurinises Redundancy (HSR) **Paralish Redundancy Protocol (PRP)/operation in the PRP-re-valve. **Paralish Redundancy Protocol (PRP)/operation in the PRP-re-valve. **Paralish Redundancy Protocol (PRP)/Redundant Network **Operation Sequence of Protocol (PRP)/Redundant Network Network **Operation Sequence of Protocol (PRP)/Redundant Network Network **Operation Sequence of Protocol (PRP)/Redundant Network N	redundancy procedure RSTP	Yes
Parallel Redundancy Protocol (PRP) Yes upon to the PRP-network Access (RNA) Parallel Redundancy Protocol (PRP) Yesdundard Network Access (RNA) Product functions (Interpretate Protocol (PRP) Yesdundard Network Access (RNA) Parallel Protocol (PRP) Yesdundard Network Access (RNA) Product functions (Interpretate Protocol (PRP) Yesdundard Network Access (RNA) Parallel Protocol (PRP) Yesdundard Network Access (RNA) Protocol (PRP) Yesdundard Network Access (RNA) Parallel Protocol (PRP) Yesdundard Network Access (RNA) Parallel Protocol (PRP) Yesdundard Network Access (RNA) Parallel Protocol (PRP) Yesdundard Network Access (RNA) Protocol (PRP) Yesdundard Network Access (RNA) Protocol (PRP) Yesdundard Network Access (RNA) Parallel Protoc	redundancy procedure RSTP+	Yes
Parallel Redundancy Protocol (PRP) operation in the PRP-newbork Parallel Redundancy Protocol (PRP) Redundant Network Access (RNA) Passave listening Protocol is supported *LACP Yes **yes **product function / configuration in RUN vis CIRNH-CIR Product function / configuration in RUN vis CIRNH-CIR Product function / security **product function **EEE 802.11x (radius) **EEE 802.11x (radius) **SSH **Onodocast blocking **product function / functions / function **EEE 802.11x (radius) **SSH **Ose **SSH **Ose **SSH **Ose **SSH **Ose **SINH-Client **SICLOCK support **INTP-client **SICLOCK support **NITP **ONITP-client **ONITP-client **ONITP-client **ONITP-client **ONITP-client **ONITP-client **ONITP-client **ONITP-client **ONITP-client **One of the client of suitability **Ose **On client shall **One of the client of suitability **Ose **One of Emarking **Ore	 redundancy procedure MSTP 	Yes
PRIPE Redundancy Protocol (PRP)/Redundant Network Access (RNA) - passive listening - protocol / is supported - LACP - Yes "yes "y	 High-availability Seamless Redundancy (HSR) 	Yes
Access (RNA) - passive lettering protocol / is supported - LACP System medification during operation product function / configuration in RUN via CRPH-CR product function / security - brandcast fluiding function / yes - brandcast fluiding function / yes - brandcast fluiding function / yes - state / security - security / sec		Yes
protocol / is supported **JACP** **System modification during operation product function / configuration in RUN via CIRR+CIR **product function / security product function / security product function / security product function **EEE 802.1x (radius) **Enaction Yes **Product function / Signature **SSH	* '	Yes
yes system modification during operation product functions / security product functions / security product functions / security product functions / security product function • IEEE 902.1x (radius) • broadcas/multicastlunicast limiter • insadicast blocking yes • sist • si	passive listening	Yes
system modification during operation product function? seemity product function seemity product function seemity product function seemity product function IEEE 502.1x (radius)	protocol / is supported	
product function / security / security product function / security / security product function / security / securi	• LACP	Yes
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protocol / is supported	broadcast blocking	Yes
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For immunity to EMC for safety / from CSA and UL standards, specifications, approvals / other certificate of suitability railway application in accordance with EN 50121-4 railway application in accordance with EN 50125-3 railway application in accordance with EN 50125-3 railway application in accordance with EN 50125-3 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 T.C. / Buildings N.C.C and T.C. / Buildings N.C.C and C.C., T2: Containers C.C. / Buildings N.C.C and C.C., T3: Containers C.C. / Buil	standard	
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• railway application in accordance with EN 50121-4 • railway application in accordance with EN 50125-3 • railway application in accordance with EN 50125-3 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., derating according to the manual must be observed when SFP/SFP+ transceivers are used; 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 62368-1, 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. • RoHS conformity Yes Yes; G3	standards, specifications, approvals / other	
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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; 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 62368-1, 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. • RoHS conformity Yes Yes; G3	 railway application in accordance with EN 50121-4 	Yes
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; 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), C3: Indoor (except condensation), 4B1, 4S10, UL 62368-1, 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. • RoHS conformity Yes Yes; G3	 railway application in accordance with EN 50125-3 	
resistance to air pollution / conformity according to ANSI/ISA-		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; 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), C3: Indoor (except condensation), 4B1, 4S10, UL 62368-1, 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
	 RoHS conformity 	Yes
	resistance to air pollution / conformity according to ANSI/ISA-	Yes; G3

IT security for industrial automation systems / according to IEC Yes 62443-4-2:2019 standards, specifications, approvals / Environmental Product Declaration **Environmental Product Declaration** Yes global warming potential [CO2 eq] 1274.81 kg total · during manufacturing 225.96 kg during operation 1048 kg • after end of life 0.85 kg product functions / general 10.2 a 40 °C reference temperature / for MTBF determination reference code KF according to IEC 81346-2 • according to IEC 81346-2:2019 **KFE** Warranty period 5 a product function / is supported / identification link Yes; acc. to IEC 61406-1:2022 internet link • to website: Selection guide for cables and connectors https://support.industry.siemens.com/cs/ww/en/view/109766358 • to web page: selection aid TIA Selection Tool https://www.siemens.com/tstcloud • to website: Industrial communication https://www.siemens.com/simatic-net • to web page: SiePortal https://sieportal.siemens.com/

security information

• to website: Image database

• to website: CAx-Download-Manager

• to website: Industry Online Support

security information

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