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Data sheet 6GK5334-3TS01-2SR3

SCALANCE XRH334; managed layer 2; IE switch, 19" rack; 20x, 100/1000 Mbps RJ45 port; 2x 1G/2.5G/5G/10 Gbps RJ45 port; 4x 100M/1G SFP 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; Industrial Edge LPE integrated; conformal coating; power supply 24 V DC;



product type designation	
product brand name	SCALANCE
product type designation	XRH334
Technical Product Detail Page	https://i.siemens.com/1P6GK5334-3TS01-2SR3
design of the product	LPE9433 integrated (arm64, 8 GB RAM, 38 GB storage)
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	22; RJ45
number of 10/100/1000 Mbit/s RJ45 ports	
● with securing collar	22
number of 1000/2500/5000/10000 Mbps RJ45 ports / with securing collar	2
number of electrical connections	
● for SFP	4; 100 Mbps and 1000 Mbps SFP usable
● 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	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 AC / rated value	24 V
● 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	No
type of voltage / 1 / of the supply voltage	DC
● supply voltage / 1 / rated value	24 V

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● power loss [W] / 1 / rated value	76.8 W
● power loss [W] / at DC / at 24 V / typical	46.08 W
● supply voltage / 1 / voltage range	19.2 ... 31.2
● consumed current / 1 / maximum	3.2 A
● consumed current / at DC / at 24 V / typical	1.92 A
● type of electrical connection / 1 / for power supply	2 x 2-pole terminal block
● product component / 1 / fusing at power supply input	Yes
● fuse protection type / 1 / at input for supply voltage	F 10 A / 250 V
type of voltage / 2 / of the supply voltage	AC (50 / 60 Hz)
● supply voltage / 2 / rated value	24 V
● power loss [W] / 2 / rated value	76.8 W
● supply voltage / 2 / voltage range	19.2 ... 30
● consumed current / 2 / maximum	3.2 A
● type of electrical connection / 2 / for power supply	2 x 2-pole terminal block
● fuse protection type / 2 / at input for supply voltage	F 10 A / 250 V
ambient conditions	
ambient temperature / in horizontal mounting position / during operation	-40 ... +65 °C; Starting at -40 °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	4000 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 kg
product feature / conformal coating	Yes
material / of the enclosure	metal
fastening method	
● 19-inch installation	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)
number of automatically learnable MAC addresses	16382
number of QoS queues / per port	8
product function	
● QoS according to IEEE 802.1Q	Yes
product conformity / according to IEEE 802.1Qbu and IEEE 802.3br (Frame Preemption)	Yes
product feature	
● Store & Forward switching method	Yes
product license	
product license / Upgrade license	Yes; layer 3 license
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	No
● SMTP server	No
● port mirroring	Yes

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● multiport mirroring	Yes
● Encapsulated Remote Traffic Mirroring (ERTM)	Yes
● CoS	Yes
● PROFINET IO diagnosis	Yes
● switch-managed	Yes
PROFINET conformity class	B
network load class / according to PROFINET	II
telegram length / for Ethernet / maximum	9194 byte
protocol / is supported	
● Telnet	No
● HTTP	Yes
● HTTPS	Yes
● TFTP	Yes
● FTP	Yes
● SFTP	Yes
● BOOTP	No
● 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
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
● VLAN dynamic	Yes
number of VLANs / maximum	2048
number of VLANs - dynamic / maximum	2048
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)	No
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

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● high speed redundancy protocol (HRP) with standby redundancy	No
● redundancy procedure STP	Yes
● redundancy procedure RSTP	Yes
● redundancy procedure RSTP+	No
● redundancy procedure MSTP	Yes
● passive listening	Yes
● eRSTP	Yes
protocol / is supported	
● LACP	Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	No
product functions / security	
product conformity / according to IEEE 802.1X-port based Network Access Control	No
protocol / is supported	
● RADIUS	No
product functions / time	
product function	
● SICLOCK support	Yes
● NTP-client	Yes
● IEEE 1588 v2 transparent forwarding	Yes
protocol / is supported	
● NTP	Yes
● SNTP	Yes
● IEEE 1588 profile default	Yes
accuracy / at IEEE 1588 v2	
● not less than	100 ns
● typical	50 ns
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● UKCA marking	Yes
● cULus approval	No
● KC approval	No
● 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
standards, specifications, approvals / other	
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
product functions / general	
warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
further information / internet links	
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/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

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Approvals / Certificates	
Environment	**General Product Approval**
EPD	EAC, RCM, China RoHS, CE EG-Konf., UKCA

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