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Data sheet   **6GK5334-2TS01-2AR3**

SCALANCE XRM334; managed IE switch, 19" rack; 24x 100/1000 Mbps RJ45 ports; 2x 1000/10000 Mbps 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 24 V DC;

product type designation	SCALANCE
transfer rate	
transfer rate	10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 2.5 Gbit/s, 5 Gbit/s, 10 Gbit/s
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	26; RJ45
number of 10/100/1000 Mbit/s RJ45 ports / integrated	
● with securing collar	26
number of 1000/2500/5000/10000 Mbps RJ45 ports / integrated / 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	1
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	2 x 2-pin terminal block
design of the removable storage	
● CLP	Yes
signal inputs/outputs	
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
● power loss [W] / 1 / rated value	72 W
● supply voltage / 1 / rated value	19.2 ... 31.2 V
● consumed current / 1 / maximum	3 A
● type of electrical connection / 1 for power supply	2 x 2-pole terminal block
● product component / 1 / fusing at power supply input	Yes
type of voltage / 2 / of the supply voltage	

6/27/2023

● supply voltage / 2 / rated value	24 V
● power loss [W] / 2 / rated value	72 W
● supply voltage / 2 / rated value	19.2 ... 30 V
● consumed current / 2 / maximum	3 A
● type of electrical connection / 2 / for power supply	2 x 2-pole terminal block

ambient conditions	
ambient temperature / in horizontal mounting position / during operation	-40 ... +70 °C; Starting at -40 °C; The maximum ambient temperature during operation depends on the operating height and the plug-in transceivers, see also manual.
ambient temperature / during storage and transport	-40 ... +85 °C
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" 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
material / of the enclosure	metal
fastening method	
● 19-inch installation	Yes

product features, product functions, product components / general	
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	No
● SMTP server	No
● port mirroring	Yes
● multiport mirroring	Yes
● Encapsulated Remote Traffic Mirroring (ERTM)	Yes
● CoS	Yes
● PROFINET IO diagnosis	Yes
PROFINET conformity class	B
network load class / according to PROFINET	2
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	9194 byte
protocol / is supported	
● Telnet	No
● HTTP	Yes
● HTTPS	Yes
● TFTP	Yes
● FTP	Yes
● SFTP	Yes
● BOOTP	Yes
● NETCONF	Yes
● GMRP	Yes

6/27/2023

● 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	255
number of VLANs - dynamic / maximum	255
protocol / is supported / GVRP	Yes

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

product function	
● ring redundancy	No
● High Speed Redundancy Protocol (HRP)	No
● high speed redundancy protocol (HRP) with redundancy manager	No
● high speed redundancy protocol (HRP) with standby redundancy	No
protocol / is supported / Media Redundancy Protocol (MRP)	No
product function	
● media redundancy protocol (MRP) with redundancy manager	No
● Media Redundancy Protocol Interconnection (MRP-I)	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	Yes

product functions / security

protocol / is supported	
● RADIUS	No
● SSH	Yes
● SSL	Yes

product functions / time

product function	

6/27/2023

● 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 µs
● typical	50 ns

system modification during operation

product function / configuration in RUN via CiR/H-CiR	No

standards, specifications, approvals

standard	
● for FM	in preparation
● for safety / from CSA and UL	in preparation
● for emitted interference	EN 61000-6-4 (Class A)
● for interference immunity	EN 61000-6-2
MTBF	13.2 a
● reference temperature	40 °C
reference code	
● according to IEC 81346-2	KF
● according to IEC 81346-2:2019	KFE

standards, specifications, approvals / CE

certificate of suitability / CE marking	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
● for EMC interference emission	EN 61000-6-4, EN 50121-9
● for immunity to EMC	EN 61000-6-2, EN 50121-4
certificate of suitability / RoHS conformity	Yes

standards, specifications, approvals / hazardous environments

standard / for hazardous zone	in preparation
● from CSA and UL	in preparation

standards, specifications, approvals / other

certificate of suitability	
● C-Tick	Yes

standards, specifications, approvals / product conformity

product conformity	
● according to IEEE 802.1x-port based Network Access Control	No

further information / internet links

internet link	
● to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
● to website: Industrial communication	http://www.siemens.com/simatic-net
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Information and Download Center	http://www.siemens.com/industry/infocenter
● to website: Image database	http://automation.siemens.com/bilddb
● to website: CAx-Download-Manager	http://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

security information

security information	Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)