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Data sheet 6GK5998-3GS00-2AC2

product type designation



LPE9403

SCALANCE LPE9403; Local Processing Engine; 64-bit ARMv8 (4-core); 4 GB RAM; 16GB eMMC(pSLC); Debian Linux; 3x 10/100/1000 Mbit/s RJ45; 1x 100/1000 Mbit/s SFP; Contains 1 combo port; 1xUSB3.0; CLP slot; diagnostics LED; redundant power supply; assembly: DIN rail/S7 mounting rail .

hardware configuration	
design of the processor	64Bit ARMv8 A53, 4 core
processor clock frequency	1.4 GHz
design of the drive/storage medium / solid-state disk	Yes; eMMC (pSLC)
storage capacity / on solid-state disk	38 Gibyte
storage capacity / of the RAM	4 Gibyte
operating system / pre-installed	Debian Linux
product component / operating system / docker	Yes
transfer rate	
transfer rate	10, 100, 1000 Mbit/s
interfaces / for communication / integrated	
number of 10/100/1000 Mbit/s RJ45 ports / integrated / with securing collar	3
number of combo ports / with RJ45 interface for optical plug-in transceiver	1; 100 or 1000 Mbit/s SFP plug-in transceiver
interfaces / other	
number of interfaces / according to USB	2
number of USB-A ports	1
number of USB-B ports	1
design of the removable storage / CLP	Yes
supply voltage, current consumption, power loss	
product component / connection for redundant voltage supply	Yes
type of voltage / 1 / of the supply voltage	DC
supply voltage / 1 / rated value	24 V
power loss [W] / 1 / rated value	16 W
supply voltage / 1 / rated value	19.2 ... 28.8 V
consumed current / 1 / maximum	0.66 A
type of electrical connection / 1 / for power supply	4-pole terminal block
product component / 1 / fusing at power supply input	Yes
fuse protection type / 1 / at input for supply voltage	3.15 A / 125 V
ambient conditions	
ambient temperature	
• during operation	-40 ... +60 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	compact

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width	134 mm
height	147 mm
depth	127 mm
net weight	1.6 kg
fastening method	
● 35 mm top hat DIN rail mounting	Yes
● wall mounting	Yes
● S7-300 rail mounting	Yes
● S7-1500 rail mounting	Yes
product functions / management, configuration, engineering	
protocol / is supported	
● SSH	Yes
● HTTP	Yes
● HTTPS	Yes
● FTP	Yes
● LLDP	Yes
● DCP	Yes
● NTP	Yes
● SNMP v2	Yes
● SNMP v3	Yes
● SNTP	Yes
● SSL	Yes
product functions / diagnostics	
● product function / SysLog	Yes
● product function / backup device configuration	Yes
● Product function / User administration	Yes
● product function / port diagnostics	Yes
● product function / CLI	Yes
● product function / web-based management	Yes
● product function / MIB support	Yes
● product function / PROFINET IO diagnosis	Yes
● product function / DHCP client	Yes
standards, specifications, approvals	
standard	
● for emitted interference	EN 61000-6-4:2001 (Class A)
● for interference immunity	EN 61000-6-2:2001
MTBF	29 a
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / other	
certificate of suitability	
● C-Tick	Yes
● KC approval	Yes
● ATEX	Yes; EN 60079-0, EN 60079-15
● for ATEX / as marking	II 3 G Ex nA IIC T4 Gc
● for ATEX / as certificate	DEKRA ATEX0025 X
● IECEx	Yes; IEC 60079-0, IEC 60079-7
● for IECEx / as marking	Ex ec IICT4 Gc
● for IECEx / as certificate	IECEx DEK 18.0017X
● CCC / for hazardous zone according to GB standard	Yes; CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4
● CCC / for hazardous zone according to GB standard / as marking	E240480
● for cULus HazLoc / as marking	CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4
● for cULus HazLoc / as File Nr.	E240480
● for FM / as marking	CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4 Ta: -40 °C +60 °C
● for FM / as certificate	FM19US0167X
● railway application in accordance with EN 50121-4	Yes
● Regulatory Compliance Mark (RCM)	Yes
● for UL 61010-2-201 / as File Nr.	E85972
● EAC approval	Yes

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further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://siemens.com/tst
● to website: Industrial communication	https://siemens.com/industrial-communication
● to website: Industry Mall	https://mall.industry.siemens.com
● to website: Selection guide for cables and connectors	https://siemens.com/tst
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
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