

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 Gbyte
storage capacity / of the RAM	4 Gbyte
operating system / pre-installed	Debian Linux
product component / operating system / docker	Yes

transfer rate

transfer rate	10, 100, 1000 Mbit/s
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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	
<ul style="list-style-type: none"> during operation during storage during transport 	-40 ... +60 °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
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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
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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 IIC T4 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

further information / internet links

internet link

- to web page: selection aid TIA Selection Tool
- to website: Industrial communication
- to website: Industry Mall
- to website: Selection guide for cables and connectors
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<https://siemens.com/tst>
<https://siemens.com/industrial-communication>
<https://mall.industry.siemens.com>
<https://siemens.com/tst>
<https://www.automation.siemens.com/bilddb>
<https://siemens.com/cax>
<https://support.industry.siemens.com>

security information

security information

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last modified:

11/9/2023 