

product brand name	RUGGEDCOM
product type designation	APE1808LNX
	RUGGEDCOM APE1808LNX Application Processing Engine Line Module, Atom x5-E3940, 8GB RAM, 80GB eMMC, DisplayPort, uSD, USB, Linux Conformal Coating



hardware configuration	
design of the processor	Atom x5-E3940
processor clock frequency	1.6 GHz
design of the drive/storage medium / solid-state disk	Yes; eMMC
storage capacity / on solid-state disk	80 Gbyte
storage capacity / of the RAM	8 Gbyte
operating system / pre-installed	Linux
transfer rate	
transfer rate	10, 100, 1000 Mbit/s
interfaces / other	
number of interfaces / according to USB	2
number of USB-A ports	2
ambient conditions	
ambient temperature	
• during operation	-40 ... +75 °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	IP30
design, dimensions and weights	
design	Media module
width	102.9 mm
height	19.7 mm
depth	162.5 mm
product feature / conformal coating	Yes
standards, specifications, approvals	
standard	
• for safety / from CSA and UL	IEC / EN / UL / CSA (62368-1, 60950-1)
• for emitted interference	CISPR 32 / EN 55032 / FCC Chapter 15 Class A
• for interference immunity	IEC 61000-6-2
reference code	
• according to IEC 81346-2	KF
• according to IEC 81346-2:2019	KED
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / other	

- certificate of suitability / Regulatory Compliance Mark (RCM) Yes
- certificate of suitability / EAC approval Yes

standards, specifications, approvals / Environmental Product Declaration

Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> • total 	259.55 kg
<ul style="list-style-type: none"> • during manufacturing 	13.3 kg
<ul style="list-style-type: none"> • during operation 	246.21 kg
<ul style="list-style-type: none"> • after end of life 	0.04 kg

further information / internet links

internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to website: Industry Mall/RUGGEDCOM selector • to website: Industrial communication • to website: Siemens RUGGEDCOM • to web page: SiePortal • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/ruggedcom-selector https://www.siemens.com/simatic-net https://www.siemens.com/ruggedcom https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com

security information

security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)</p>
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Approvals / Certificates

General Product Approval	other	Environment
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[Manufacturer Declaration](#) [inspection certificate](#)



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