SIEMENS

Data sheet 6GK6015-0AL20-0GH0

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



Technical Product Detail Page	https://i.siemens.com/1P6GK6015-0AL20-0GH0
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 Gibyte
storage capacity / of the RAM	8 Gibyte
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	No
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
standards, specifications, approvals / CE	
certificate of suitability / CE marking	Yes
standards, specifications, approvals / other	
● certificate of suitability / Regulatory Compliance Mark	Yes

Subject to change without notice
© Copyright Siemens

(RCM)	
● certificate of suitability / EAC approval	Yes
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	259.55 kg
● during manufacturing	13.3 kg
● during operation	246.21 kg
● after end of life	0.04 kg
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 website: Industry Mall/RUGGEDCOM selector	https://www.siemens.com/ruggedcom-selector
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to website: Siemens RUGGEDCOM	https://www.siemens.com/ruggedcom
● 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
security information	
security information	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)

Approvals / Certificates

General Product Approval	other	Environment
Manufacturer Declaration	inspection certificate	EPD

last modified: 11/14/2025

Subject to change without notice
© Copyright Siemens