

CEx7 LX2K

Datasheet

NXP LX2160A based COM Express type 7 module | Rev. 1.1

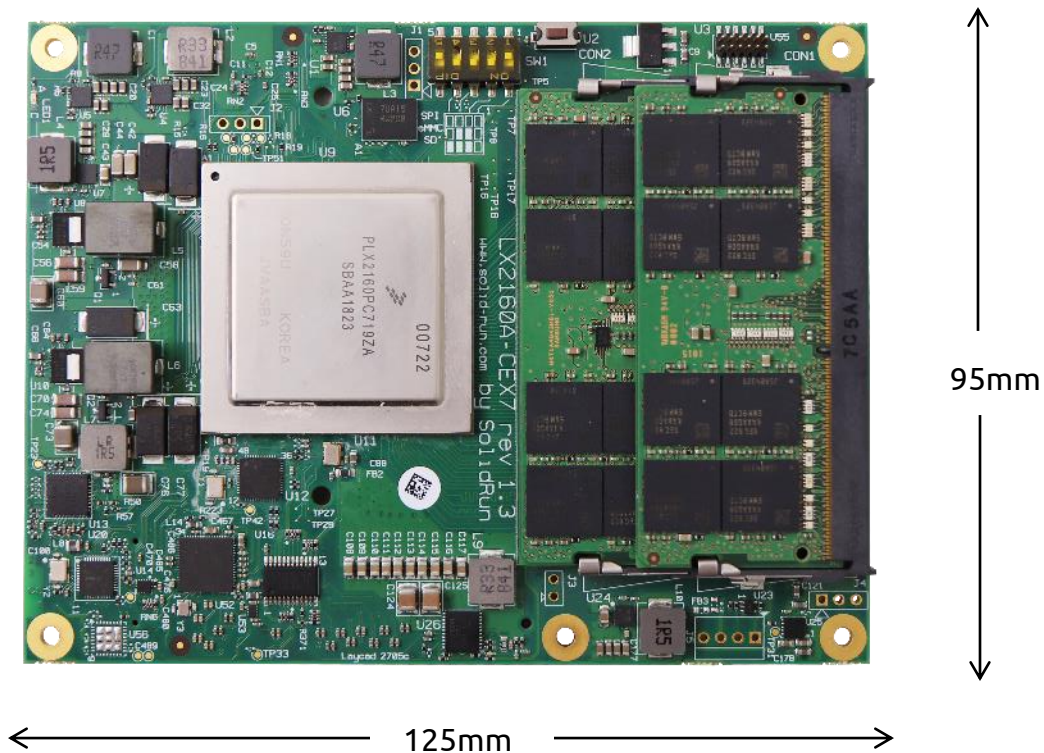


Overview

SolidRun's CEx7 LX2K Computer-on-Module based on the COM Express Type 7 form factor was designed to provide a robust and modular networking computing platform. The CEx7 LX2K features extended processing power, connectivity options and high-end networking capabilities – making it the ideal platform for an almost endless variety of networking and edge solutions.

CEx7 LX2K Highlighted Features

- ❖ Based on NXP's LX2160A 16 core Arm Cortex A72 processor
- ❖ COM Express type 7 (basic) form factor
- ❖ Up to 64GB DDR4 (64 bits wide)
- ❖ Up to 100GbE (4 x SFP+)
- ❖ Full virtualization support



System Specifications

CEx7 LX2K	
Processor	NXP LX2160A 16 core Arm Cortex A72 (Up to 2Ghz)
Memory and Storage	Up to 64GB DDR4 (64 bit) eMMC (optional, up to 128GB) 1Gbit SPI memory 2 x SATA Gen III
Connectivity & Interfaces	2 x XFI/RXAUI/SGMII 1 x SGMII with built in phy 18 x PCIe Gen 4 (5 controllers) 2 x USB 3.0 I2C SPI bus UART
Security	Optional TPM 2.0
OS	Linux kernel 4.4x Yocto DPDK UEFI KVM/QEMU/Containers NFV Openstack compute node
Power	12V
Temperature Range	Commercial, Industrial, Automotive
Dimensions (WxL)	125mm X 95mm
Form Factor	COM Express type 7 basic

Available SKUs for CEx7 LX2K

SKU	Description
SR2160W00D00GE008V15C0	CEx7 LX2K 8GB eMMC R1.5 Inc. Heatsink & Fan
SR2160W00D00GE064V15C0	CEx7 LX2K 64GB eMMC R1.5 Inc. Heatsink & Fan
SR2160W00D16GE064V15C0	CEx7 LX2K 64GB eMMC 16GB RAM R1.5 Inc. Heatsink & Fan

Safety Notice

- a. This device is to be used with Certified Power adaptor with output rated 12VDC, 1.5A. Power adapter must meet Limited power source (LPS) requirements.
- b. Power adapter must meet local safety standards and requirements based on product intended use.
- c. Power adapter must meet Operating environment conditions as specified above.

Disposal

Follow local regulations regarding disposal of the product. Dispose of your product in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited.

Help us protect the environment- recycle!

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For technical support please visit:

Our Developer Resources – <http://developer.solid-run.com/>

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For direct support please contact us at: support@solid-run.com

Documentation

Additional documentation available at:

<https://developer.solid-run.com/products/cex7-lx2160a/>