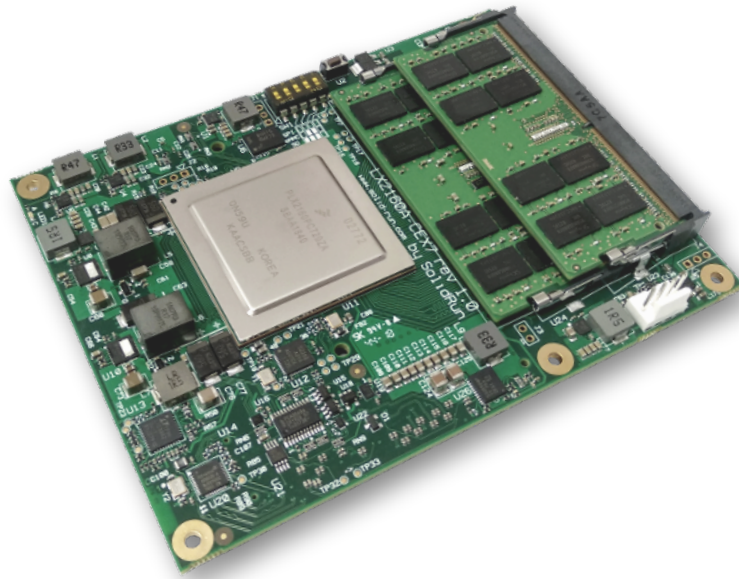


# CEx7 LX2K

NXP LX2160A Based COM Express type 7



CEx7 LX2K harnesses the outstanding network computing power of NXP's LX2160A 16 core Arm® Cortex®-v8 A72 processor developed on a modular COM Express type 7 standard form factor. This powerful module offers support for up to 64GB DDR4, 18 lane PCIe gen 4.0, 2 x SATA and 2 x USB 3.0 ports with a total of 24 muxed SERDESs.

- ▶ **NXP LX2160A 16-core Arm A72 (up to 2GHz)**
- ▶ **COM Express type 7**
- ▶ **Up to 100GbE**
- ▶ **Dual channel 64bit DDR4**



**COM Express type 7  
form factor**



**ClearFog CX carrier  
compatible**



**Up to 100 GB  
Ethernet**



**16 Core Arm Cortex  
LX2160A 2GHz**

Core	
Processor	NXP LX2160A 16-core Arm® Cortex® A72 2GHz
Virtualization	Full virtualization
Floating Point	✓
SIMD	Neon
L1 Cache	48KB I-cache and 32KB D-cache
L2 Cache	Up to 8MB
L3 Cache	8MB shared
Memory	Dual channel 64bit DDR4 (up to 3200MTps)
ECC Memory	Optional
SPI Flash	Up to 1Gbit
eMMC	Optional
Connectivity	
1GbE MAC	1 port
10GbE MAC	4 ports
On card GbE PHY	1
SDIO	✓
USB	2 x USB 3.0
RTC Support (battery on SBC)	✓
Total Muxed SERDes	24
SATA	2 x Gen III
PCIe 4.0	Up to 18
QSGMII	4 x 1/2.5GbE ports (SGMII/HSGMII/RGMII)
OS Support	Linux Kernel 4.x   Yocto   DPDK   UEFI   KVM/QEMU/Containers   NFV Openstack compute node
Mechanical/Electric	
Temperature Range	Commercial grade (0°C to +70°C ambient), Industrial grade (-40°C to +85°C ambient)
Supply Voltage	12V
I/O Voltage	3.3V
Form Factor	COM Express type 7
Dimensions	125mm X 95mm (standard COM Express type 7 - basic)

