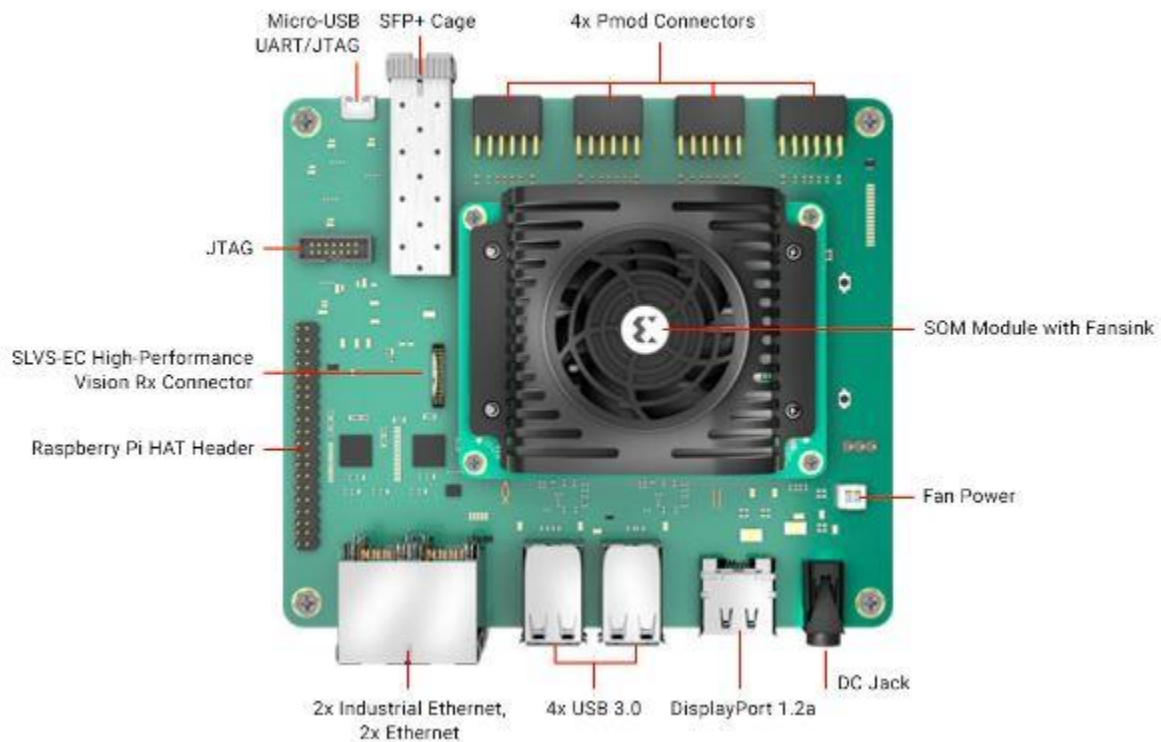


Kria KR260 Robotics Starter Kit





Enabling Excellence

Product Description

The KR260 Robotics Starter Kit delivers a ROS-centric development experience, enabling a quick and easy workflow for roboticists and embedded developers to build their application on adaptive hardware.

Key Features & Benefits

OPTIMIZED FOR KRIA K26 SOM

- 2x 240-pin connectors
- All SOM I/O available for sensor & network connectivity

HIGH PERFORMANCE INDUSTRIAL VISION

- SLVS-EC Rx
- 4x USB 3.0 for camera interfaces
- DisplayPort 1.2a

REAL-TIME NETWORKING INTERFACES

- 4x RJ45 Ethernet Ports (10/100/1000)
- 1 SFP+ optics (10G) for 10GE Vision

EXPANSION w/PMODs & RASBERRY PI HEADERS

- Extend to any sensor or interface

CoreEL Technologies India Pvt Ltd
#21, 7th Main, 1st Block, Koramangala, Bangalore - 560034, India
Phone No: +91-80-41970400
Email : upt@coreel.com



Enabling Excellence

- Broad Pmod ecosystem
- e.g., Wi-Fi adapters, RS485

Parameter	KR260
Device	Zynq UltraScale+™ MPSoC EV (XCK26)
Form factor	SOM + Carrier Card + Thermal Solution
Starter kit dimensions	119mm x 140mm x 36mm
Thermal cooling solution	Active (Fan + Heatsink)
System logic cells	256K
Block RAM blocks	144
UltraRAM blocks	64
DSP slices	1.2K
Ethernet interface	4x 10/100/1000 Mb/s RJ-45s 1x SFP+ Cage
DDR memory	4GB (4 x 512Mb x 16 bit) [non-ECC] DDR4
Primary boot memory	512Mb QSPI
Secondary boot memory	SDHC card

CoreEL Technologies India Pvt Ltd
 #21, 7th Main, 1st Block, Koramangala, Bangalore - 560034, India
 Phone No: +91-80-41970400
 Email : upt@coreel.com



Enabling Excellence

Device Security	Zynq UltraScale+ MPSoC hardware root of trust (RoT) in support of secure boot. Infineon TPM2.0 in support of measured boot.
Video	x1 SLVS-EC Gen2 x2 lane interface DisplayPort 1.2a Output for 1920 x 1080 at 60Hz
I/O expansion	x4 Pmod 12-pin interface x1 Raspberry Pi HAT header with 26 I/Os
USB3.0/2.0 interfaces	x4

CoreEL Technologies India Pvt Ltd
#21, 7th Main, 1st Block, Koramangala, Bangalore - 560034, India
Phone No: +91-80-41970400
Email : upt@coreel.com