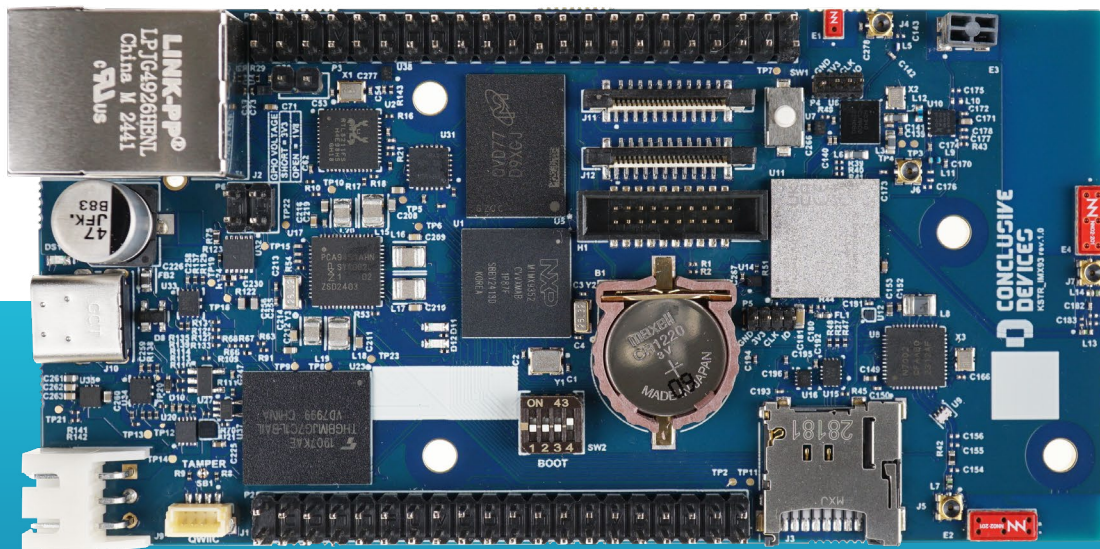# KSTR-IMX93
Single Board Computer

KSTR-IMX93

- Powerful Linux capable Single Board Computer featuring Nordic Semiconductor solutions
- All-in-one wireless solution featuring i.MX93 and nRF5340, nRF9151, nRF7002
- Ultra low-power IoT platform with Li-Ion battery support
- Versatile connectivity options: Matter, Wi-Fi, Thread, Bluetooth, ZigBee, GNSS and LTE

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KSTR-IMX93 Specifications	

SoC	NXP i.MX93
	    - 2 core Arm® Cortex®-A55 1.7 GHz CPU
	    - 1 core Arm® Cortex®-M33 250 MHz CPU

Nordic solutions	nRF5340 nRF9151 nRF7002
Memory	LPDDR4 / LPDDR4x (512 MB, 1 GB or 2 GB) Up to 128 GB eMMC uSD card slot
Ethernet	1x 1 Gbit/s RJ-45 1x 1 Gbit/s with RGMII interface
USB	USB 2.0 OTG Type-C
Wireless connectivity	LTE Cat-M1 / NB-IoT WiFi 6 2.4 GHz and 5 GHz Bluetooth 5.4 802.15.4 Thread DECT NR+ GNSS built in E-SIM / Soft SIM ZigBee
Features	MIPI-DSI MIPI-CSI2 CAN-FD transceiver 4x UART 3x I2C 1x SPI 4x ADC up to 37x i.MX93 GPIO up to 15x nRFxx GPIO full compatible Raspberry Pi connector

Software support	i.MX93:
	    - Linux 6.1 & 6.5
	    - U-Boot
	    - Yocto
	    - Buildroot
	    - Ubuntu
	    - FreeBSD (on request)
	    - Zephyr RTOS (integrated M33 core)
	
	nRF5340 and nRF9151:
	    - Zephyr RTOS

Power	5V USB Type-C External Li-Ion battery with charging, charge level and temperature monitoring support PoE IEEE 802.3af through RJ-45 connector
Dimensions	110 x 55 mm