



New Product Announcement

Now at Mouser: NXP's Layerscape LS1046A Freeway Board for Powerful Edge Computing Applications

July 31, 2019 – [Mouser Electronics](#), Inc., the New Product Introduction (NPI) leader empowering innovation, is now stocking the [Layerscape® LS1046A Freeway](#) (FRWY-LS1046A) evaluation board from [NXP Semiconductors](#). Available as a bare board or in an enclosure with a dual-band Wi-Fi module, the FRWY-LS1046A evaluation board is an edge computing platform designed to support NXP's QorIQ [LS1046A](#) system-on-chip (SoC).

The powerful board supports a wide range of applications, from [industrial](#) and smart building wireless gateways to artificial intelligence (AI) with facial recognition and [automotive](#) and aerospace applications. Other target applications include edge compute gateways, machine learning, [robotics](#), industrial [Internet of Things](#) (IIoT), and data [communications](#).

The [NXP Layerscape LS1046A Freeway](#) board, available from Mouser Electronics, is based on a quad-core Arm® Cortex®-A72. The board offers a robust set of peripherals, including 64 Mbytes QSPI flash, 4 Gbytes DDR4 (with ECC at 2.1 GT/s), and 4 Gbits of NAND flash. The board also offers two USB 3.0 ports and a Micro SD slot.

The evaluation board also includes SPI, I2C, clock, interrupts, and general-purpose input/output (GPIO) expansion headers. The device's connectivity elements include two M.2 PCIe connectors with support for Wi-Fi, SSD, and 4G/LTE; four Gigabit Ethernet ports; and a Mikroe Click board™ socket for expansion options such as sensors, NFC, *Bluetooth*® Low Energy, and Zigbee. The versatile evaluation board supports both wired and wireless applications like WLAN access points, Ethernet switches, and UTM equipment.

To learn more, visit www.mouser.com/nxp-frwy-ls1046a-eval-boards.

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– 30 –

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