

Develop Any of Our Sona/LWB+/LWB5+ M.2 2230 Modules on the STM32 Nucleo-144!

For total design flexibility on STM32 Nucleo-144 hardware, develop with any of our Sona, LWB+, or LWB5+ M.2 2230 radios via our universal M.2 2230 adapter. The hardware provides M.2 2230 and mikroBUS sockets to allow access to module-based Wi-Fi radios and I/O using the Nucleo-144 headers.

The Ezurio STM32 to M.2 2230 adapter board links STM32 Nucleo-144 development boards with the Ezurio lineup of M.2 2230 radio modules to add our latest Wi-Fi 6 and Wi-Fi 6E connectivity. The adapter board provides an interface for rapid development using the STMicro STM32 MCUs and the STM32 software development environment.

Design in the Wi-Fi that best suits your design, whether that's for high-throughput and data rates or ultralight sensor applications.

Flexible: Accepts any M.2 2230 key-E module using the SDIO host interface. The mikroBUS socket allows the addition of a wide range of MikroE adapter boards.

Powerful: The measurement points included allow you to measure signal and current conditions during development.

Comprehensive: Flexible power and I/O signal level configuration provides options for all of our M.2 2230 Wi-Fi modules.



- **M.2 2230** Key-E socket
- **mikroBUS** socket
- **Wi-Fi 5** and **Wi-Fi 6/6E** : Supports all of our Sona, LWB+, and LWB5+ M.2 2230 radio modules
- **ST ZIO header pins** for Nucleo-144 development board mounting
- **Flexible power supply** from Nucleo board or externally using mikroUSB connector
- **Multiple current measurement points** for precise monitoring of real-world power consumption
- **Power LED**
- **Compliant:** Allows you to leverage Ezurio's modular regulatory approvals in your final design without modification
- **MODUS Toolbox** development environment support

Key Features



Wi-Fi 5/6/6E Supported Radios

The adapter works with all of our Sona, LWB+, and LWB5+ M.2 2230 Key-E modules.



Software Flexibility and Speed to Market

Support for the adapter in the STM32 Cube environment makes it simple to add an Ezurio radio device to your STM32 project.



Industrial Operating Range

Designed to the industrial temperature range of -40°C to +85°C for every component utilized.



Global Approvals

Maintains all modular and global certifications supported by the installed radio module. No need to get additional certification.

Application Areas



Medical Devices (Infusion pumps, HD Imaging, Vitals Monitoring, Gateways, Beds, Blood Analyzers)



Industrial IoT Sensors, Access Control, Wireless Security Cameras, HVAC Controllers, EV Charging



Rugged Handheld Devices, POS Terminals, UAV, Industrial Robots, Printers

Ordering Information

Part #	Description
453-00376	DVK, Wi-Fi M.2 2230 to STM32 Nucleo-144 adapter board