

## Orin Mainstream product

Carrier Board D131L for NVIDIA® Jetson Orin NX/Orin Nano Module with **NVIDIA BSP**  
 Update BSP via NVIDIA Website  
 Enjoy the newest BSP as NVIDIA launch

**PRELIMINARY**



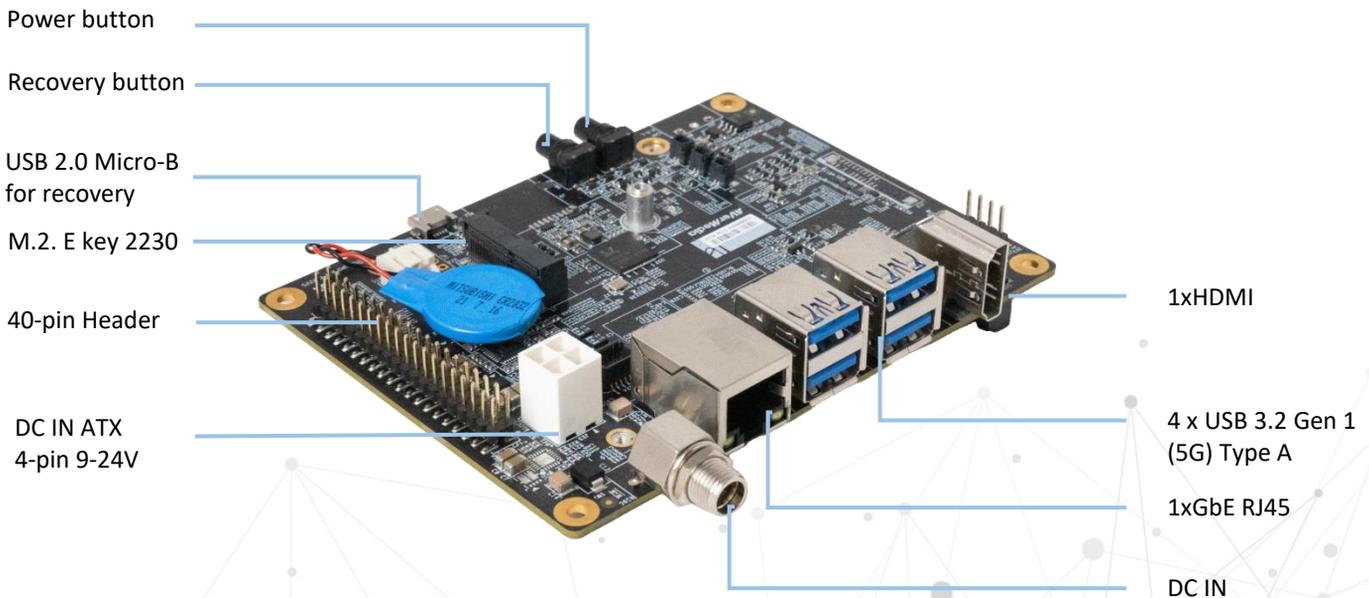
## Suggested Vertical Markets

General-purpose AI for developers

## Enterprise-Leading Features

- 1 x 2 Lane MIPI CSI-2 Camera input
- 1 x M.2. E key 2230 for Wi-Fi (AC9260)
- 1 x M.2. M key 2280 for SSD
- 1 x GbE RJ-45 (Option PoE), 40-pin expansion header
- 4 x USB 3.2 Gen 1 (5G) Type A
- 1 x 4Kp60 HDMI output for Orin NX, 1 x 4Kp30 HDMI output for Orin Nano
- Operating temperature: 0°C ~ 70°C
- Dimension: 113mm(W) x 105mm(L) x 28.53mm(H) / Weight: 95g
- Support 24/7 secure remote monitoring, control, and OTA deployment empowered by Allxon

## Interface



## Specifications

Model	D131L	
NVIDIA Jetson SoM	Jetson Orin NX/ Orin Nano	
BSP	Applied to NVIDIA BSP directly	
Networking	1x GbE RJ-45 (PoE option) 1x M.2. key E 2230 for Wi-Fi (AC9260)	
Display Output	1x HDMI 3840 x 2160 at 60Hz for Orin NX, 3840 x 2160 at 30Hz for Orin Nano	
Temperature	Operating temperature 0°C~70°C Storage temperature -40°C ~ 85°C Relative humidity 40% @ 95%, Non-Condensing	
MIPI Camera Inputs	1x 2 lane MIPI CSI-2, 15 pin FPC 1mm Pitch Connector	
USB	1x USB 2.0 Micro-B for recovery 4 x USB 3.2 Gen 1 (5G) Type A	
Storage	1x M.2. key M 2280 for SSD	
Expansion Header	40-pin: 1x UART, 2x SPI, 2x I2C, 1x I2S, 6x GPIOs 1x OOB supported by Allxon	
Power requirement	Voltage	DC 9~24V
	Current	DC IN Jack on board: 7A~2.6A
		ATX 4pin: 7A~2.6A
Thermal Solution	Fan (Optional)	
Buttons	Power and Recovery	
Dimensions	113mm(W) x 105 mm(L) x 28.53 mm(H) Weight: 95g	
Certifications	CE, FCC, KC	