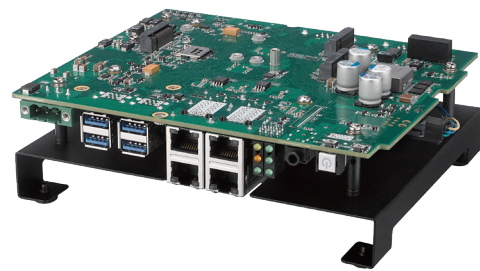


# DLAP-411-Orin Dev kit

Edge AI Platform Powered by  
 NVIDIA® Jetson AGX Orin™



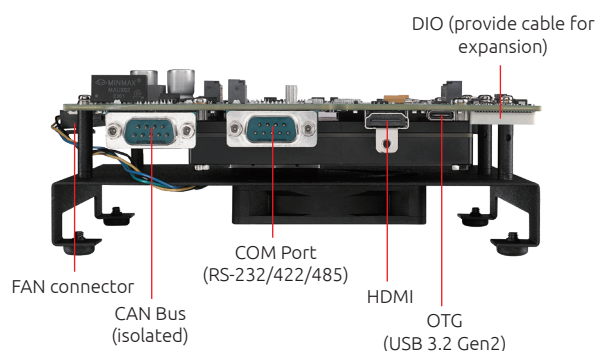
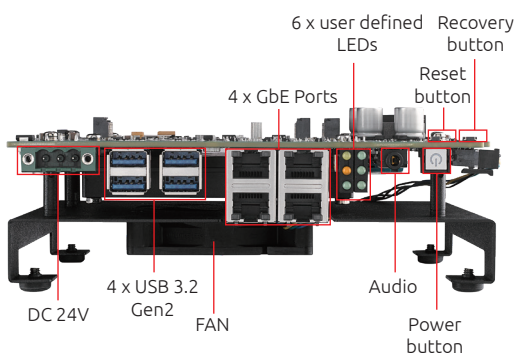
**AIIXON** Scalable. EdgeGO  **EVA**  
 EDGE VISION ANALYTICS

## Features

- NVIDIA® Jetson AGX Orin processing/inference engine  
 8/12-core Carmel Arm 64-bit CPU, 1792/2048-Core Ampere GPU, 32/64GB LPDDR5, 64 GB eMMC with 56/64 Tensor Cores
- 4 GbE POE Port (Optional), 4 USB 3.2 Gen2, 1 OTG/Type C USB 3.2 Gen2, 1 CAN bus (isolated) 1 COM (RS-232/422/485), IO connector (GPIO, I<sup>2</sup>C, SPI)
- 6 user defined LEDs, 1 Audio, 1 HDMI
- 24 V DC input, OCP
- Edge AI model management and OTA (over the air) provisioning powered by Scalable
- Monitoring, alerts and updates are empowered by Allxon Device Management Solutions (Allxon DMS)
- Remote control by Allxon Out-Of-Band (OOB) (optional)
- An Edge-Native and Web-Based Platform that Simplifies Configuration, Monitoring, and Consolidation of Applications Running on Connected Devices by EdgeGO

## Software Support

- Linux



## Ordering Information

DLAP-411-Orin Dev kit	Powered by NVIDIA® Jetson AGX Orin™ 32GB
DLAP-411-Orin Dev kit w/PSE	Powered by NVIDIA® Jetson AGX Orin™ 32GB, support 4 GbE Ports (PoE)
DLAP-411-Orin Dev kit w/OOB	Powered by NVIDIA® Jetson AGX Orin™ 32GB, with OOB module
DLAP-411-Orin Dev kit w/PSE w/OOB	Powered by NVIDIA® Jetson AGX Orin™ 32GB, support 4 GbE Ports (PoE), with OOB module
DLAP-411-Orin Dev kit 64GB	Powered by NVIDIA® Jetson AGX Orin™ 64GB
DLAP-411-Orin Dev kit 64GB w/PSE	Powered by NVIDIA® Jetson AGX Orin™ 64GB, support 4 GbE Ports (PoE)
DLAP-411-Orin Dev kit 64GB w/OOB	Powered by NVIDIA® Jetson AGX Orin™ 64GB, with OOB module
DLAP-411-Orin Dev kit 64GB w/PSE w/OOB	Powered by NVIDIA® Jetson AGX Orin™ 64GB, support 4 GbE Ports (PoE), with OOB module

## Optional Accessories

GST160A24-AD	Power adapter, for DLAP-411-Orin w/o PSE OP Temp Max: 55°C For DLAP-411-Orin w/ PSE OP Temp Max: 40°C
GST220A24-AD	Power adapter, for DLAP-411-Orin w/ PSE OP Temp Max: 55°C
THALES MV31-W	5G module, M.2 B-key 3042 5G-FR1/4G/3G module
Quectel RM520N-GL	5G module, M.2 B-key 5G/4G/3G/GNSS module QUECTEL_RM520N-GL
Sierra EM7565	4G/LTE module, M.2 B-key LTE/HSPA+ module Sierra Wireless, EM7565
ENL-R8852BE	Wi-Fi 6 module, Wi-Fi 6 (11a/b/g/n/ac/ax 2Tx2R) + BT (V5.2) M.2 Type 2230 Combo Module LITEON_ENL-R8852BE(RTL8852BE)
ASDEM8EDE-128GP0	M.2 SSD, Temp.-25°C to +85°C M.2 2280 PCIe Gen3x4
ASDEM8EDE-256GP0	M.2 SSD, Temp.-25°C to +85°C M.2 2280 PCIe Gen3x4
ASDEM8EDE-512GP0	M.2 SSD, Temp.-25°C to +85°C M.2 2280 PCIe Gen3x4
ASDEM8EDE-1TBT0	M.2 SSD, Temp.-25°C to +85°C M.2 2280 PCIe Gen3x4
ASDEM8EDE-2TBT0	M.2 SSD, Temp.-25°C to +85°C M.2 2280 PCIe Gen3x4

## Specifications

Model	Jetson AGX Orin 32GB	Jetson AGX Orin 64GB
<b>System Core</b>		
GPU	NVIDIA Ampere architecture with 1792 NVIDIA® CUDA® cores and 56 Tensor Cores	NVIDIA Ampere architecture with 2048 NVIDIA® CUDA® cores and 64 Tensor Cores
CPU	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3	12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3
RAM	32GB 256-bit LPDDR5	64GB 256-bit LPDDR5
Storage	64GB eMMC 5.1	
OS	Linux	
<b>Front Panel I/O Ports</b>		
Button	1x power, 1x reset, 1x recovery	
HDMI	1x HDMI (Max. resolution 3840x2160 @ 60Hz)	
USB	4x USB 3.2 Gen2 Type-A	
Ethernet	4x 10/100/1000Mbps Ethernets (Optional PoE support, IEEE 802.3af/at)	
Audio	Mic-in (Mono), Line-out (Stereo)	
I/O Connector	2x D-sub 26-pin connector (GPIO, I <sup>2</sup> C, SPI) provide cable for expansion	
<b>Back Panel I/O Ports</b>		
USB	1x USB 3.2 Gen2 Type-C (OTG)	
Serial Port	1x COM RS-232/RS-422/RS-485 (DB9)	
CAN Bus	1x 2.0b, isolated (DB9)	
<b>Extension</b>		
M.2	1x M.2 M key 2242 and 2280 PCIe Gen4 1x M.2 B key 3042 and 3052 for 5G/LTE M.2 E key 2230 for Wifi 5/6	
SD Card Slot	1x Micro SIM Slot	
Out-Of-Band (OOB)	Support Ethernet and Wifi, monitoring and managing at remote locations (thermal sensor, remote power on/off, restart, monitor debug port detection device status.)	
<b>LED indicator</b>		
LED	6x user defined LEDs	
<b>Power Requirements</b>		
DC Input	24V (OCP)	
AC Input	160 up to 220W power adapter	
Power switch	1x Power ON/OFF Button (AT/ATX , Default : AT)	
<b>Internal</b>		
Thermal sensor	1x Thermal sensor	
<b>F/W Support</b>		
WDT	WDT supported	

All products and company names listed are trademarks or trade names of their respective companies. Updated Dec. 18, 2023. ©2023 ADLINK Technology, Inc. All Rights Reserved. All pricing and specifications are subject to change without further notice.