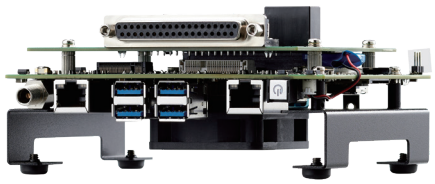
ADLINK
LEADING EDGE COMPUTING

DLAP-211-Orin Dev Kit

Ultra-Compact Edge AI Development Kit for Diverse AI Applications

Features

- Embedded with NVIDIA® Jetson Orin NX/Nano™, Xavier NX™, TX2 NX™, or Nano™ module, delivering up to 100 TOPS
- Extremely compact and durable design for rapid PoC implementation
- Versatile I/O ports with optional FM board extension
- Ideal for diverse AI applications like Smart City, Retail, Manufacturing, and more
- System SKU available for purchase



Canonical Ubuntu · ASD+ · 85°C -20°C · NetworkOptix · aiixon · EdgeGO · EVA

Ordering Information

PN	Model Name	NVIDIA Module	NVIDIA Module Memory	NVIDIA Module eMMC	NVMe	Expand IO
91-77B05-0120	DLAP-211-Orin NX 16GB Dev Kit w/o SSD	Orin NX	16GB	N/A	N/A	N/A
91-77B05-3000	DLAP-211-Orin NX 8GB Dev Kit w/o SSD	Orin NX	8GB	N/A	N/A	N/A
91-77B05-5000	DLAP-211-Orin Nano 8GB Dev Kit w/o SSD	Orin Nano	8GB	N/A	N/A	N/A
91-77B05-4000	DLAP-211-Orin Nano 4GB Dev Kit w/o SSD	Orin Nano	4GB	N/A	N/A	N/A

* The PNs do not include SSD and must be ordered separately. If you need Expand IO, please purchase additional AFM-DLAP-211-IO

Packing List

PN	Description	QTY	Note
91-77B05-XXXX	DLAP-211-Orin Dev kit	1	N/A
31-62157-1010-A0	84W, Adapter, 12V/7A, DC Jack Ø2.5	1	Only for Orin NX 16GB
31-62156-1010-A0	60W, Adapter, 12V/5A, DC Jack Ø2.5	1	Only for non-Orin NX 16GB
30-22023-0000-A0	DC Jack Ø2.5 to 1x4P(2.5)/DC Plug Ø2.5	1	N/A
50-40375-9000	Template A of both CN & TW RoHS Declarat	1	N/A

Optional Accessories

PN	Description	Note
91-49074-000E	Wifi Kit, M2-R8852BE w/ mPCIe converter	N/A
95-36400-4E10	M2ASDED4EDE-128GT0-N	NVMe
95-36400-5E10	ASDED4EDE-256GT0-N	NVMe
95-36400-6E10	ASDED4EDE-512GT0-N	NVMe
95-34400-7400	ASDSM4SHE-1TBT0	SATA
91-79421-0010	AFM-DLAP-211-IO	N/A

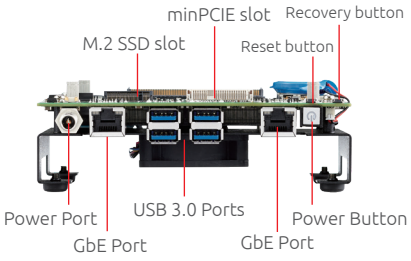
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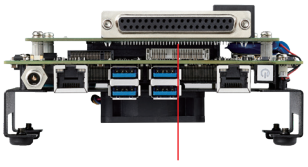
Specifications

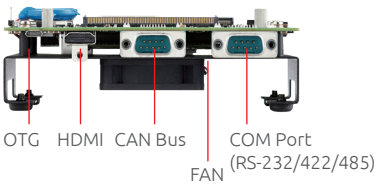
Model	Orin NX 8GB Dev Kit	Orin NX 16GB Dev Kit	Orin Nano 4GB Dev Kit	Orin Nano 8GB Dev Kit
AI Performance	70 TOPS	100 TOPS	20 TOPS	40 TOPS
System				
GPU	1024-core NVIDIA Ampere GPU with 32 Tensor Cores		512-core NVIDIA Ampere architecture GPU with 16 Tensor Cores	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores
CPU	6-core Arm® Cortex®-A78AE v8.2 64- bit CPU 1.5MB L2 + 4MB L3	8-core Arm® Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L3	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3	
RAM	8G	16G	4G	8 G
OS	Linux® Ubuntu			
Front I/O Interfaces				
Button	1x power, 1x reset, 1x recovery			
HDMI	1x lockable			
USB	4x USB 3.0 Type-A			
Ethernet	2x 10/100/1000Mbps Ethernet			
Expand IO (Option)	2x I2-C, 2x SPI, 1x UART, 8x GPIO, Relay through 1x 37pin D sub connector			
Back I/O Interfaces				
USB	1x USB 2.0 OTG			
Serial Port	1x COM RS-232/RS-422/RS-485			
CAN Bus	1x 2.0b			
Extension Slots				
Mini PCIe	1x PCIe mini card slot			
M.2	1x M.2 B key 2242 socket			
Power Supply				
DC Input	12V			
F/W Support				
WDT	WDT supported			

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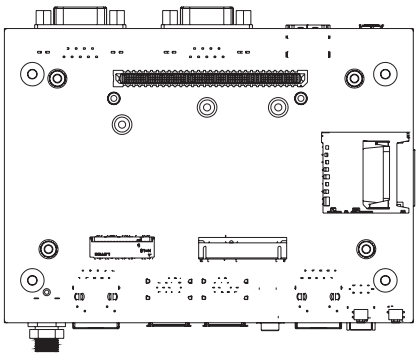
I/O View

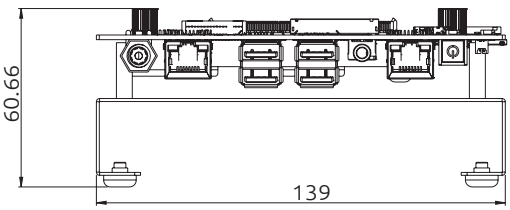


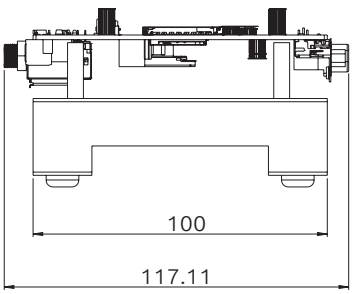




Product Dimensions and Illustration







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