Powering up Edge AI

Unlocking the Next Level of Intelligence

NVIDIA JetPack SDK

aiDAPTIV+



DLAP Super

Gear up for NVIDIA Jetson Orin
Super Mode

DLAP Supreme

Elevate AI Power with Phison
aiDAPTIV+



DLAP

DLAP Super and Supreme series elevate Edge AI performance

The DLAP Supreme series, powered by Phison's aiDAPTIV+ technology, delivers superior memory performance and rapid real-time processing. Meanwhile, the DLAP Super series, geared up with NVIDIA® Jetson Orin™ super mode, offers a robust, software-optimized framework.
Both the DLAP Super and Supreme series aim to accelerate the deployment of generative AI applications across various verticals.

1.7X AI TOPS

2X GenAI model performance

8X Inference speed

4X Longer token length

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DLAP





Type	DLAP-211-Orin Super		DLAP-411-Orin Supreme	
Model	**Orin Nano 4GB**	**Orin Nano 8GB**	**Jetson AGX Orin™ 32GB**	**Jetson AGX Orin™ 64GB**
AI Performance	34 TOPS	67 TOPS	200 TOPS	275 TOPS
System				
GPU	512-core NVIDIA Ampere architecture GPU with 16 Tensor Cores	1024-core NVIDIA Ampere architecture GPU with 32 Tensor Cores	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	6-core Arm® CortexV-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3		8-core ArmV Cortex®-A78AE v8.2 64-bit CPU 2MB L2 + 4MB L	12-core Arm® Cortex®-A78AE v8.2 64-bit CPU 3MB L2 + 6MB L3
aiDAPTIV+	-		Phison AI100E M.2 SSD	
RAM	4GB	8GB	32GB	64GB
Storage	128GB M.2 2242		64GB eMMC 5.1	
OS	Linux® Ubuntu		Linux® Ubuntu	
Front I/O Interfaces				
Button	1x power, 1x reset, 1x recovery		1x power, 1x reset, 1x recovery	
HDMI	1x lockable		1x lockable	
USB	4x USB 3.2 Gen1		4x USB 3.2 Gen2 Type-A	
Ethernet	2x 10/100/1000Mbps Ethernet		4x 10/100/1000Mbps Ethernets (Optional PoE support, IEEE 802.3af/at)	
Audio	-		Mic-in (Mono), Line-out (Stereo)	
I/O Connector	2x I2-C, 2x SPI, 1x UART, 8x GPIO, Relay through 1x 37pin D sub connector		2x D-sub 26-pin connector (GPIO, I2C, SPI) provide cable for expansion	
Back I/O Interfaces				
USB	1x USB2.0 Micro USB (OTG)		1x USB 3.2 Gen2 Type-C (OTG)	
Serial Port	1x COM RS-232/RS-422/RS-485 (DB9)		1x COM RS-232/RS-422/RS-485 (DB9)	
CAN Bus	1x 2.0b, isolated (DB9)		1x 2.0b, isolated (DB9)	
Expansion Slots				
Mini PCIe	1x PCIe mini card slot		-	
M.2	-		M.2 for SSD	
SD Card Slot	-		1x MicroSD 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.)	
10GbE	-		Support 10G/5G/2.5G/1000M/100M/10M LAN speed	
Power Supply				
DC Input	12V		24V	
AC Input	60W , OP Temp Max: 45°C 84W ,OP Temp Max: 55°C (Orin Nano Super)		160 up to 220W power adapter	
Mechanica				
Dimensions (W x D x H)	148x 120x 52mm (DLAP-211-Orin NX/Orin Nano) 148x 120x 64mm (DLAP-211-Orin NXS/Orin NanoS)		175x 145x 85mm	
Weight	1.7kg (DLAP-211-Orin NX/Orin Nano) 1.85kg (DLAP-211-Orin NXS/Orin NanoS)		2.2 kg	
Mounting	VESA, DIN rail (optional)		Wall mount, VESA DIN rail (optional)	
SMA Antenna Connector	4		6	
Environmental				
Operating Temperature	-20°C to 70°C *Please refer to the product datasheet for temperature support of different SKUs.		-20°C to 60°C *Please refer to the product datasheet for temperature support of different SKUs.	

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