

Powering up Edge AI

Unlocking the Next Level of Intelligence



DLAP Super

Gear up for NVIDIA Jetson Orin
Super Mode

DLAP Supreme

Elevate AI Power with Phison
aiDAPTIV+



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.



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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		200 TOPS	
System	67 TOPS		275 TOPS	
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 Ethernet (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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