AI Carrier Board

Jetson Series
CDK-516/CDK-508/CDK-506/CDK-504



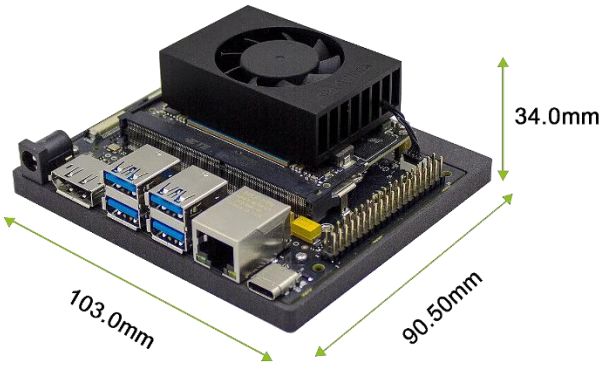
Features

- Jetson Orin NX 16GB/8GB Nano 8GB/4GB
- Display: 1 x DP
- USB: 4 x USB 3.2, 1 x USB 3.2
- Ethernet: Wi-Fi/BT, 1 x 10/100/1000 Mbps
- Power: DC 9-19 V

Specifications

Product	CDK-516	CDK-508	CDK-506	CDK-504
Module	Orin NX 16GB	Orin NX 8GB	Orin Nano 8GB	Orin Nano 4GB
AI Performance	167 TOPS	117 TOPS	67 TOPS	34 TOPS
GPU	1024 NVIDIA® CUDA® cores | 32 Tensor cores			512 NVIDIA® CUDA® cores | 16 Tensor cores
GPU Max Frequency	1173 MHz		1020 MHz	
CPU	8-core Cortex A78AE ARMv8.2 (64-bit) 2MB L2 + 4MB L3	6 core Cortex A78AE ARMv8.2 (64-bit) 1.5MB L2 + 4MB L3		
CPU Max Frequency	2 GHz		1.7 GHz	
DLA	2x NVDLA v2 (614 MHz)	1x NVDLA v2 (610 MHz)	-	
VA	1x PVA v2		-	
Memory	16 GB 128-bit LPDDR5 DRAM 102.4 GB/s	8 GB 128-bit LPDDR5 DRAM 102.4 GB/s	8 GB 128-bit LPDDR5 DRAM 104.2 GB/s	4 GB 64-bit LPDDR5 DRAM 51.2 GB/s
Storage	M.2 NVMe SSD			
Display	1 x DP			
Camera Input	2 x 22pin MIPI (4 Lanes CSI)			
USB	4 x USB3.2 Type A, 1 x USB 3.2 Type C			
Ethernet	1 x 100/1000 Mbps, 5G/Wi-Fi, BT			
Other Features	40 PIN Expansion Header (UART, SPI, I2S, I2C, GPIO)			
Operating Temperature	0℃ - 70℃			
Operating Humidity	5% - 90%			
Power	DC 9 - 19 V			
Dimensions	103 mm(L) x 90.5 mm(W) x 34 mm(H)			

Dimensions



Accessories

- Power Adapter
- USB Cable, Type-C to USB Type-A
- User Guide

Ordering Information

Model	Product Description
CDK-516A	Orin NX 16GB, 1 DP, 4 x USB 3.2, 1 x USB3.2, 1 x 100/1000Mbps, DC 9-19V, 0℃-70℃
CDK-508A	Orin NX 8GB, 1 DP, 4 x USB 3.2, 1 x USB3.2, 1 x 100/1000Mbps, DC 9-19V, 0℃-70℃
CDK-506A	Orin Nano 8GB, 1 DP, 4 x USB 3.2, 1 x USB3.2, 1 x 100/1000Mbps, DC 9-19V, 0℃-70℃
CDK-504A	Orin Nano 4GB, 1 DP, 4 x USB 3.2, 1 x USB3.2, 1 x 100/1000Mbps, DC 9-19V, 0℃-70℃

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