AI Inference Device

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



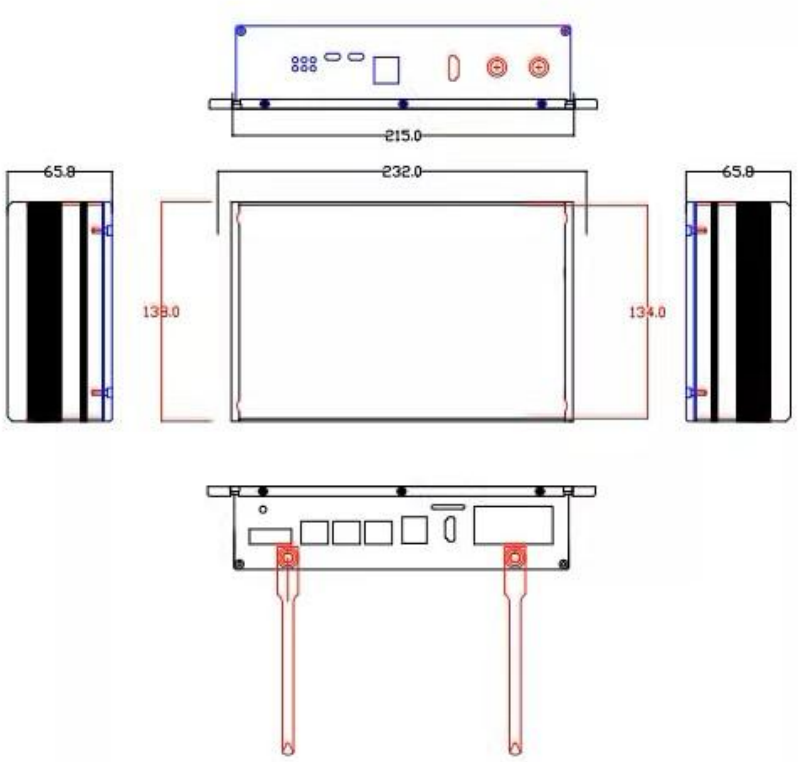
Features

- Jetson Orin NX 16GB/8GB;Nano 8GB/4GB
- 1 HDMI
- 2 RS232&RS485
- 3 10/100/1000Mbps
- 2 Digital Output
- 12-36V DC
- Operating Temperature:-20℃-65℃

Specifications

P.N.	CNB-516	CNB-508	CNB-506	CNB-504
Module	Orin NX 16GB	Orin NX 8GB	Orin Nano 8GB	Orin Nano 4GB
AI Performance	157 TOPS	117 TOPS	67 TOPS	34 TOPS
GPU	1024 NVIDIA® CUDA® cores | 32 Tensor cores			512 NVIDIA® CUDA® cores | 16 Tensor cores
GPU Max Freq.	918 MHz	765 MHz	625 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 Freq.	2 GHz		1.5 GH	
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 102.4 GB/s	4 GB 128-bit LPDDR5 DRAM 51.2 GB/s
Storage	M.2 NVMe SSD			
Display	1 x HDMI 2.1		1 x HDMI 1.4	
USB	2 x USB3.0 Type A, 2 x USB 2.0 Type A, 1 x USB Type C Debug, 1 x USB Type C REC			
Ethernet	3 x GbE			
GPIO	2 x Digital Output			
CAN	1 x CAN 2,0			
RS232/RS485	2 x RS232, 2 x RS485			
Misc. Function	1x NANO SIM; 1x Micro SD, 1x 4G/5G; RTC, 1 x Wi-Fi, Recovery*1			
Operating Temperature	-20℃ - 65℃			
Operating Humidity	10% - 90%			
Vibration	3G 0 – 1000Hz Random			
Power Input	Aviation Connector, 4Pin, DC 12 ~ 36V (Typical: DC12V 5A)			
Operation System	Ubuntu			
Dimension	232 mm(L) x 138 mm(W) x 66 mm(H)			

Dimensions



Accessory

- Power adapter
- USB Micro to USB Type-A cable
- Quick Start and Support Guide

Ordering Information

P.N.	Description
CNB-516	Orin NX 16GB, 1 HDMI, 2 RS232&RS485, 3 GbE, 2 DO, DC 12-36V, -20℃-65℃
CNB-508	Orin NX 8GB, 1 HDMI, 2 RS232&RS485, 3 GbE, 2 DO, DC 12-36V, -20℃-65℃
CNB-506	Orin Nano 8GB, 1 HDMI, 2 RS232&RS485, 3 GbE, 2 DO, DC 12-36V, -20℃-65℃
CNB-504	Orin Nano 4GB, 1 HDMI, 2 RS232&RS485, 3 GbE, 2 DO, DC 12-36V, -20℃-65℃

Contact us

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