M12S D00/00/00 F130

Pandora NX 16GB Super

Compact Edge AI

Features

- Powered by NVIDIA[™] Jetson Orin[™] NX 16GB Super up to 157 TOPS
- · Compact Size: 145mm×123mm×66mm
- \cdot 4×M.2, 8 Lanes MIPI CSI-2, and I2C / UART / GPIO / CAN Bus
- · 2×USB3.2 Gen2, 2×USB2.0, 1×Nano SIM Card Slot
- · 1×HDMI2.0





Specifications

System	
SOM Module	NVIDIA Jetson Orin™ NX 16GB Super
CPU	8-Core Arm® Cortex®-A78AE v8.2 64-Bit CPU 2MB L2 + 4MB L3
GPU	1024-Core NVIDIA Ampere Architecture GPU with 32 Tensor Cores
AI Performance	157 TOPS
System Memory	16GB 128-bit LPDDR5 102.4GB/s
Interface	
Storage	Supports External NVMe
Display Interface	1×HDMI2.0
Ethernet	2×RJ45 for 10/100/1000Mbps Ethernet DHCP Client
Expansion Slot	1×M.2 2280 M Key PCIe Gen4×2 Slot (with Pre-Installed 128GB SSD) 1×M.2 2280/3080 M Key PCIe Gen4×4 Slot, Support SSD or Video Capture Cards 1×M.2 2230 E Key PCIe Gen4×1+USB2.0 Slot, Support WiFi Module. 1×M.2 3042/3052 B Key USB3.2 Gen1 Slot, Support 5G/4G Wireless Module
USB	2×USB3.2 Gen2 (Type-A) 1×USB3.2 Gen2 (Type-C) (OTG) 2×USB2.0 (Type-A)
MIPI	8-Lane MIPI CSI-2 (D-PHY 2.1, Support MIPI Camera, Capture Card)
Audio	1×Line In (3.5mm Phone Jack) 1×Line Out (3.5mm Phone Jack)
Peripheral Communication	40 Pin Header 1×125 2×12C 2×SPI 1×UART 3×GPIO 14 Pin Header 1×CAN Bus 1×UART with CTS/RTS 1×UART for Debug 1×Nano SIM Card Slot
Misc. Features	Firmware Upgradable TPM Module (Optional)

Video Encode / Decode

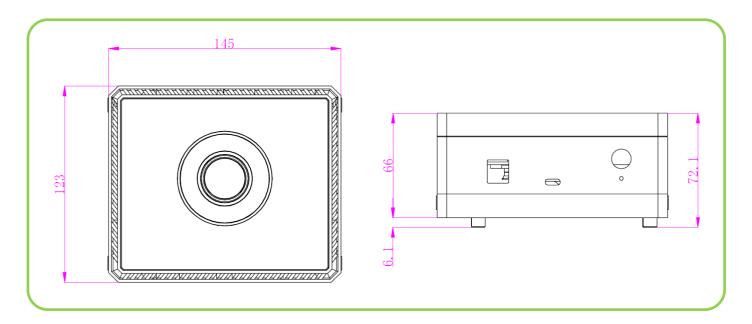
Video Feature		
	NVIDIA Jetson Orin [™] NX Super: AV1 (UHP) 1×4K60 3×4K30 6×1080p60 12×1080p30	
Video Encode	H.265 (UHP) 1×4K60 3×4K30 6×1080p60 12×1080p30 H.264 (UHP) 1×4K60 2×4K30 5×1080p60 11×1080p30	
Video Decode	NVIDIA Jetson Orin [™] NX Super: AV1 (Main Profile) 1×8K30 2×4K60 4×4K30 10×1080p60 20×1080p30 H.265 (Main, Main10) 1×8K30 2×4K60 4×4K30 9×1080p60 18×1080p30 H.264 (Baseline, Main, High) 1×4K60 2×4K30 5×1080p60 11×1080p30 VP9 (Profile 0, Profile 2) 1×4K60 3×4K30 7×1080p60 15×1080p30	

Environment

Development Environment		
JetPack	6.2 or Higher	
Environment		
Power Supply	DC input : 12~36V	
Power Consumption	Max: 49.2W	
Operating Temperature	Standard Version: 0~60 °C with Airflow	
Storage Temperature	-20~80 ° C	

Mechanical

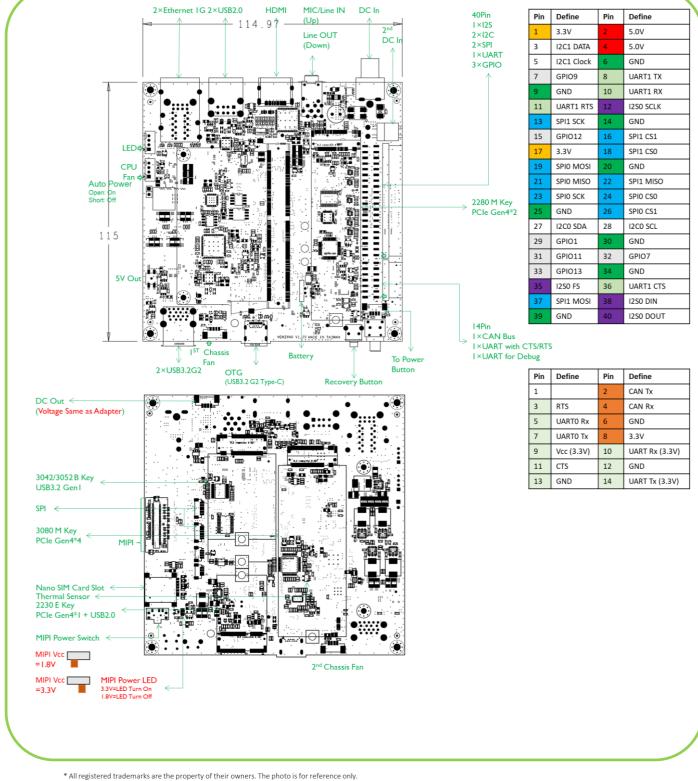
- · Dimension of case: 145mm×123mm×66mm
- · Dimension of main Board: 115mm×115mm
- Weight: 470g





Carrier Board

·



* Technology License Patent Royalty. Supplier (YUAN Technology Ltd.) as an OEM vendor is not responsible for any royalties applied to the Models and collected by any patent or trade mark holders or his exclusive, non-exclusive.

Licensees or representatives such as MPEGLA, Dolby, Thomson, Sisvel, H.264, MPEG4 and any other natural or legal person. All concerning royalties of patents and trade marks will be paid or negotiated with the above mentioned owner by you. In case of any patent or trademark infringement you are responsible for all necessary processes and costs. You accept and acknowledge that all prices of Models offered by supplier are exclusive of any royalties, charges or license fees for any patents in any countries or areas.

㈱連基 〒110-0003 東京都台東区根岸2丁目20-10 お問い合わせ: info@cnct.world Phone: 03-5842-1785