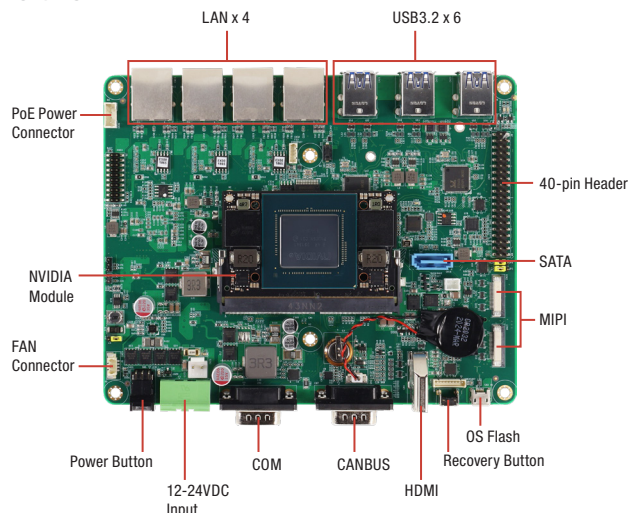


NV8600-Nano AI Developer Kit

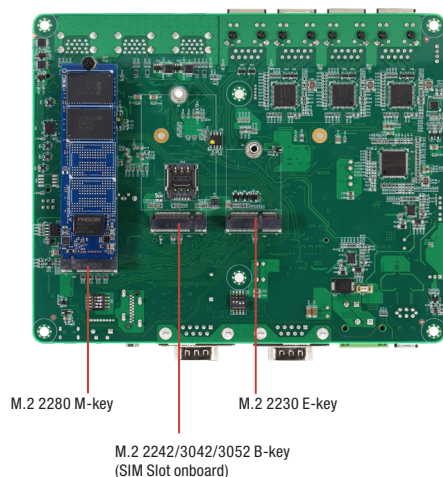
AI@Edge Development Kit with NVIDIA® Jetson Orin Nano™



Front View



Rear View



MIPI Camera



Features

- NVIDIA® Jetson Orin Nano™
- Super Mode Support
- MIPI Connector x 2
- M.2 2230 E-Key x 1, M.2 2280 M-Key x 1, M.2 3052 B-Key x 1
- 40-pin Header compliant with NVIDIA Jetson Orin Nano Developer Kit
- 12V ~ 24V Wide Power DC Input
- Preinstalled NVIDIA® Jetson™ Software



Specifications

System	
AI Accelerator	NVIDIA® Jetson Orin Nano™ (Super Mode Supported)
CPU	6-core Arm® Cortex®-A78AE v8.2 64-bit CPU 1.5MB L2 + 4MB L3
System Memory	8GB LPDDR5
Storage Device	M.2 2280 M-Key x 1 (256GB NVMe)
Display Interface	HDMI Type A for HDMI 1.4 x 1
Ethernet	RJ-45 x 4 for GbE LAN (optional: power module for PoE (25.6W each port))
I/O	MIPI Connector x 2 DB-9 x 1 for RS-232(RX/TX/GND)/422/485 DB-9 x 1 for CANBus USB 3.2 Gen 2 (Type-A) x 6 Micro USB for Image Flash x 1 Power Button with LED Indicator x 1 2 pin Phoenix Type x 1 for Power Input Recovery Button x 1 40-pin Header (compliant with NVIDIA Jetson Orin Nano Developer Kit) Pin Header x 1 for RS/232/422/485 (jumper select) UART to 40-pin Box Header x 1 for OOB SATA Connector x 1 SATA Power Connector x 1
Expansion	M.2 2230 E-Key x 1 M.2 2242/3042/3052 B-Key x 1 (SIM onboard) M.2 2280 M-Key x 1
Indicator	Power LED x 1
OS Support	Linux (NVIDIA Jetpack™ 6.0 and above)
Power Supply	
Power Requirement	12V ~ 24V DC in with 2-pin Terminal Block x 1
Mechanical	
Mounting	—
Dimensions (W x D x H)	6.53" x 5.24" (166mm x 133mm)
Gross Weight	0.79 lbs (0.36 Kg)
Net Weight	0.42 lbs (0.19 Kg)
Environmental	
Operating Temperature	-13°F ~ 158°F (-25°C ~ 70°C) w/ Fan Kit, according to IEC60068-2 with 0.5 m/s AirFlow
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing
Anti-Vibration	—
Anti-Shock	—
Certification	CE/FCC Class A



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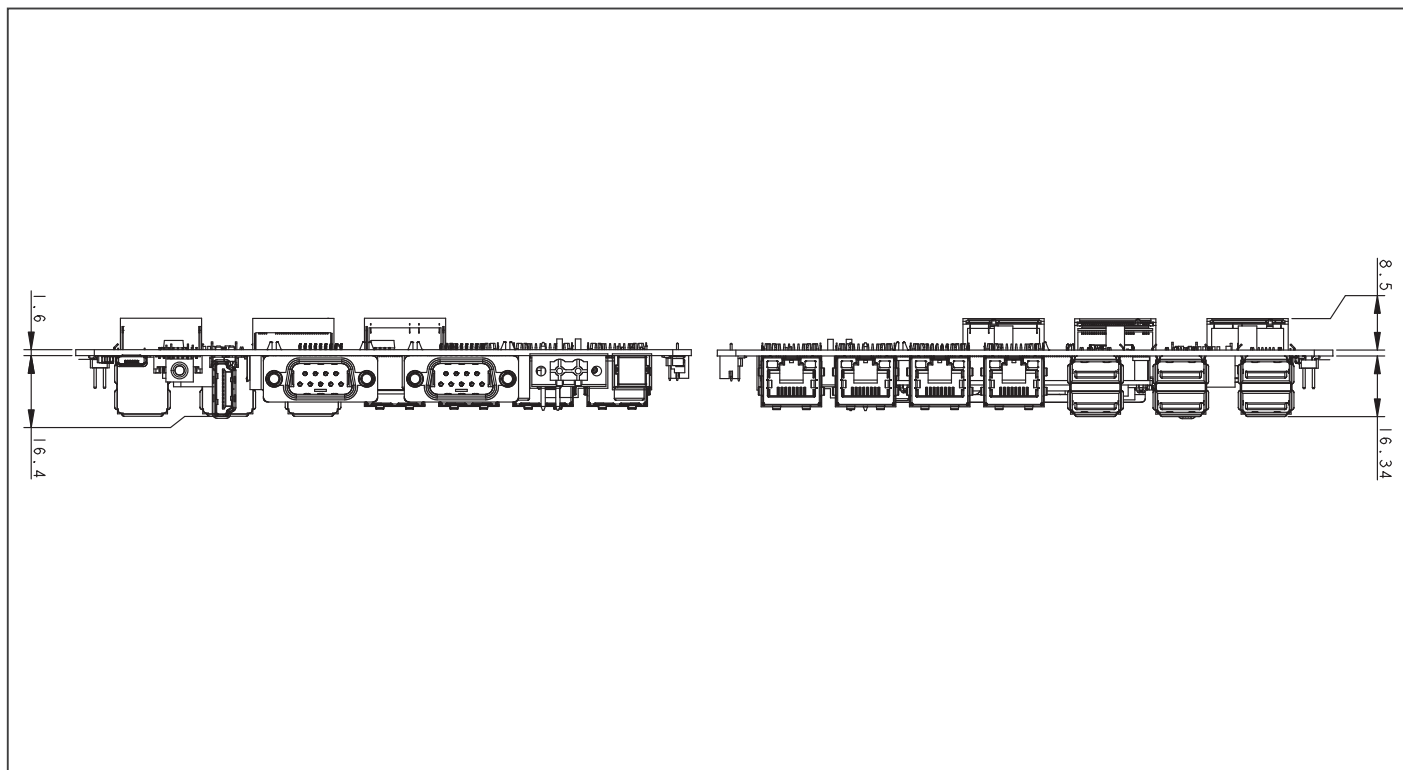
NV8600-Nano AI Developer Kit

01

AI Inference Server

Dimension

Unit: mm



Packing List

- NV8600-Nano AI Developer Kit x 1
- Fan Kit x 1
- Power Adapter x 1
- MIPI Camera x 1

Ordering Information

- NV8600-KIT-JP620N-A1-1010
KIT.Orin Nano 8G.4LAN.6USB3.HDMI.2MIPI.40PIN.CAN.COM.M.2 E/B/M Key.DC12-24V.128G SSD.JP62



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