

IBOX-NVC1 Orin NANO/NX

Fanless Box system with NVIDIA® Jetson® Orin NANO/Orin NX, HDMI,CAN/4USB/
COM/3LAN(2 POE 802.3at) DC9-36V



AI
Performance



Wide-Range
DC-in



Fanless

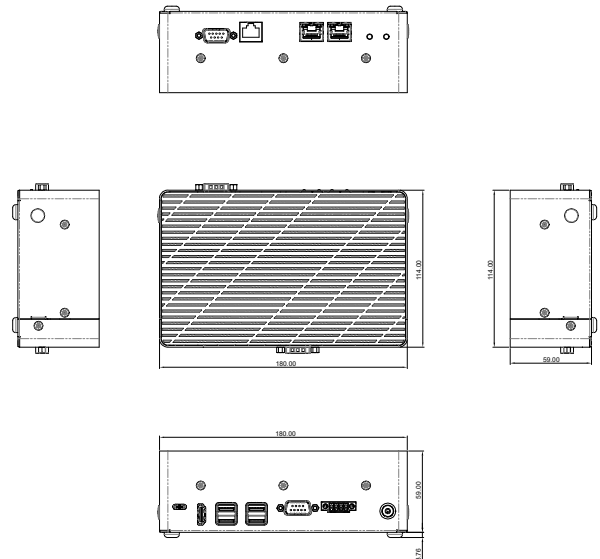
Key Features

- NVIDIA® Jetson Orin NANO/NX Module Computer
- 1 HDMI, 4 USB3.0, 1 COM , 1 CAN
- Tripple Gigabyte LAN ; include 2 802.3at POE
- Wide Range DC9-36V input with phoenix connector
- Wide temperature: -10°C ~ 60°C
- Compact edge AI computing

Product Specification

System color	Dark Gray
Mechanical	Aluminum extrusion and heavy-duty steel
CPU	Arm® Cotex®-A78AE v8.2 6C 1.5GHz 15W (Orin NANO) Arm® Cotex®-A78AE v8.2 6C 2.0GHz 25W (Orin NX)
Graphic	512-core NVIDIA Ampere GPU w/16 Tensor Cores up to 20 TOPs (Orin NANO 4GB) 1024-core NVIDIA Ampere GPU w/32 Tensor Cores up to 40-70 TOPs (Orin NANO 8GB/ Orin NX 8GB)
Operation System	NVIDIA Jetpack 5.0
System memory	LPDDR5 64 bit 4GB on Module (Orin NANO 4GB) LPDDR5 128 bit 8GB on Module (Orin NANO 8GB/ NX)
System I/O	1 x HDMI, 4 x USB 3.0, 3 x LAN, 1 x RS232/422/485, 1 x CAN (isolation)
Ethernet	3 x Gigabyte Ethernet (2POE support 802.3at 25W)
Storage support	Support M.2 NVMe
Audio	N/A
Expansion slot	1 x M.2 M-Key 2280 support NVMe 1 x M.2 E-Key 2230 support WiFi
System indicators	1 x Power LED
System controls	1 x Power Button
Digital I/O	4 in / 4 out
Watchdog timer	N/A
OS Support	NVIDIA Jetpack, Linux
Power supply	DC 9-36V input, 2P Phoenix connector
Operating temperature	-10°C ~ 60°C with 0.5m/s air flow
Storage temperature	-20°C ~ 80°C
Relative humidity	0% ~ 90% (non-condensing)
Mounting kit	Wall mount bracket/ Din Rail mount
Dimensions	180mm(W) x 114mm(D) x59mm(H)
Weight	1.3Kg

Dimensions



Optional

Power cord	US (VN00000100CU) / EUR (VN00000200CU) / JP (VN00000300CU) / UK (VK00028600CU)
Power Adapter	90~264VAC. 120W ADAPTER (TBD)

Ordering Information

Part Number	description
IBOX-NVC1-ORNO-HN00-0001	Fanless Box system with NVIDIA® Jetson® Orin NANO, HDMI,CAN/4USB/COM/3LAN(2 POE 802.3at) DC9-36V
IBOX-NVC1-ORNX-HN00-0001	Fanless Box system with NVIDIA® Jetson® Orin NX, HDMI,CAN/4USB/COM/3LAN(2 POE 802.3at) DC9-36V

Rear I/O

