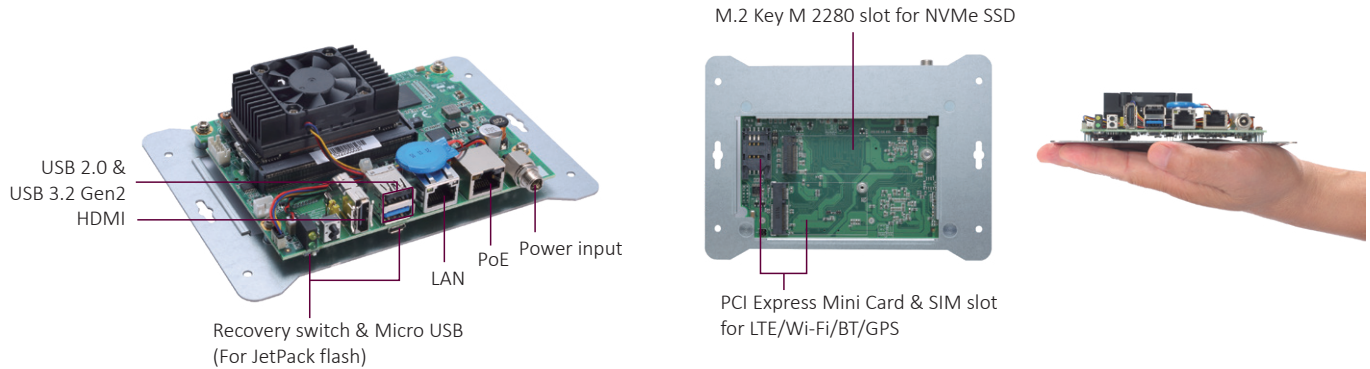


AIE110-XNX NEW

Edge AI Developer Kit with NVIDIA® Jetson Xavier™ NX, 1 HDMI, 1 GbE LAN, 1 GbE PoE, and 2 USB



Features

- NVIDIA® Jetson Xavier™ NX (21 TOPS)
- 1 USB 2.0, 1 USB 3.2 Gen2, and 1 GbE LAN
- Supports one 15W GbE PoE for camera
- 1 M.2 Key M NVMe SSD slot and 1 Micro SD slot
- 1 PCI Express Mini Card slot for Wi-Fi/Bluetooth/LTE/GPS
- Enables 24/7 secure remote monitoring, control, and OTA deployment, powered by Allxon

NVIDIA® Jetson Xavier™ NX available through to 2028*
The official end of life notice will be sent for at least 8 months before the last shipment.

Specifications

AI Accelerator	NVIDIA® Jetson Xavier™ NX (21 TOPS)
CPU	6-core NVIDIA Carmel ARM® v8.2 64-bit CPU 6 MB L2 + 4 MB L3
GPU	384-core NVIDIA Volta™ GPU with 48 Tensor Cores
System Memory	8GB 128-bit LPDDR4x onboard
Carrier Board	SBC87903
System I/O Outlet	1 x HDMI 2.0 with 4K2K supported 1 x 10/100/1000 Mbps Ethernet (via Jetson Xavier™ NX) 1 x 10/100/1000 Mbps PoE (Intel® I210-IT, up to 15W) 1 x USB 3.2 Gen2 1 x USB 2.0 1 x DIO (pin header) 1 x Micro USB for image flash 1 x Recovery switch 1 x Reset button 1 x Power button 1 x 12 VDC power input connector

Specifications

Watchdog Timer	Built-in Xavier NX
Storage	Onboard 16GB eMMC (via Jetson Xavier™ NX) 1 x M.2 Key M 2280 with PCIe x4 NVMe SSD slot 1 x Micro SD slot *The bootable device is supported exclusively by eMMC
Expansion Interface	1 x full-size PCI Express Mini Card slot (USB + PCI Express signal) 1 x SIM slot
System Indicator	1 x Green LED for system power-on 1 x Yellow LED for M.2 storage
Power Supply	12 VDC screw type
Operating Temperature	-10°C to +60°C (14°F to +140°F)
Relative Humidity	10% to 95% relative humidity, non-condensing
Vibration	IEC 60068-2-64 (with SSD: 3Grms STD, random, 5 to 500 Hz, 1 hr/axis)
Shock	IEC 60068-2-27 (with SSD: 50G, half-sine, 11 ms duration)
Dimensions (W x D x H)	165 x 117 x 37.7 mm (6.49" x 4.6" x 1.48")
Weight (net/gross)	0.3 kg (0.68 lb)/1.5 kg (3.31 lb)
Certifications	CE
OS Support	Linux Ubuntu 18.04 or later

Ordering Information

Standard

AIE110-XXN-1L1P (P/N: E27H110100)	Edge AI developer kit with NVIDIA® Jetson Xavier™ NX 8GB, 1 HDMI, 1 GbE LAN, 1 GbE PoE, and 2 USB
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Optional

M.2 NVMe SSD 128GB or above

LTE module

Wi-Fi module

Power cord

50966124050E	12V/60W adapter
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* Specifications and certifications may vary based on different requirements.

Remote Management Enrollment

Allxon Portal - Sign up for 24/7 secure service to access comprehensive remote device management features through a centralized cloud platform

*Enrollment Page: https://allxon.com/jetson/device_enroll/

Packing List

1 x DIO cable

Power Protection

DC Adapter

OVP (over voltage protection)

OCP (over current protection)

UVP (under voltage protection)

SCP (short circuit protection)

Dimensions

