

# AI Inference / DeviceEdge

## Jetson Platform AN110-XNX / NANO



### Features

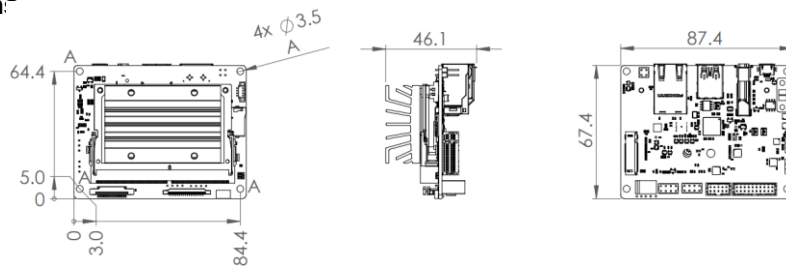
- Support NVIDIA® Jetson Xavier™ NX and Nano
- M.2 E-Key 2230 for wireless communication.
- MicroSD for storage extension
- 12VDC Power input
- Operating temperature -20°C ~ + 80°C

### Specifications

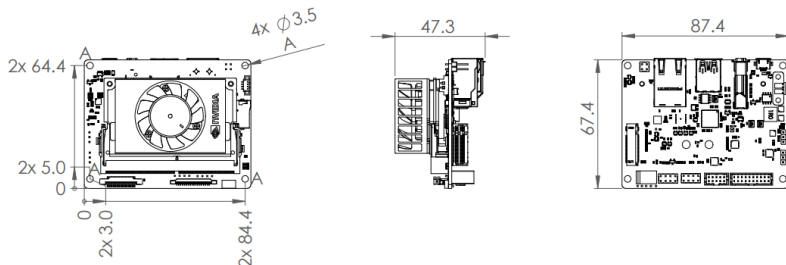
Model Number	AN110-XNX	AX110-NANO
Module Compatibility	NVIDIA Jetson Xavier NX	NVIDIA Jetson Nano
AI Performance	14TOPS (INT8) 10W 21TOPS (INT8) 15W	0.5 TFLOPS (FP16)
GPU	384 CUDA cores and 48 Tensor cores	128-core NVIDIA Maxwell™ GPU
CPU	6-core NVIDIA Carmel ARM@v8.2 64-bit CPU 6MB L2 + 4MB L3	Quad-core ARM Cortex A57 MPCore processor
Memory	8 GB LPDDR4x 128-bit	4 GB LPDDR4x 128-bit
Storage	16 GB eMMC 5.1	
Display	1 x HDMI Type A 1 x eDP	
Audio	HDMI Integrated	
MIPI Camera Input	1 x 2 lane MIPI CSI-2, 15 pin FPC Connector 1 x 4 lane MIPI CSI-2, 36 pin FPC Connector	
LAN	1 x RJ-45 GbE Ports	
USB	2 x USB 3.2 Gen1 Type A 1x USB2.0 Micro AB (OTG Only)	
I/O Interfaces	5 x GPIO, 1 x I <sup>2</sup> C, 1 x RS-232, 2 x UART1 / UART2, 1 x UART3 (Debug Only), 1 x SPI	
Expansion	1 x M.2 E-Key 2230 (PCIe/USB2.0) 1 x MicroSD Slot	
MISC. Function	1 x Power/Recovery/Reset Button	
Power Consumption	Idle: 1.098W (Connect With Keyboard, Mouse and HDMI Display) Full Loading: 17.061W (Connect with keyboard, mouse and HDMI display with CPU and GPU 100% loading)	
Power Input / Connector	DC-in 12V / 2 Pin Euro block	
Dimension (W x D x H)	87.4 x 67.4 x 28.7mm	
Net Weight	140g (With Fansink)	125g (With Heatsink)
Temperature	Operating Temp.: -20°C ~ + 80°C / Storage Temp.: -40°C ~ + 85°	
Humidity	5 to 90% (non-condensing) 40°C	
OS Support	Ubuntu 18.04	
Certification	CE/FCC Class A	

## System & Mounting Dimension

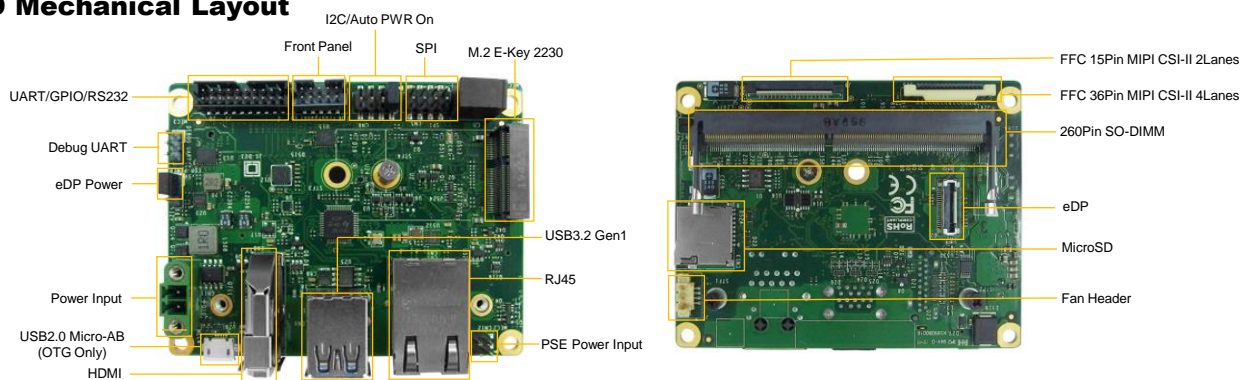
### With NANO Module



### With Xavier NX Module



## I/O Mechanical Layout



## Ordering Information

Model Name	Carrier w/Jetson Module	Fansink	Heatsink	Cable Kit	PWR Adapter	US PWR Cord	EU PWR Cord	I2C Cable	Front Panel Cable	Power Cable
AN110-XXN-FN01	Xavier NX 8GB	-	-	✓	-	-	-	✓	✓	✓
AN110-XXN-EN02	Xavier NX 8GB	✓	-	✓	✓	✓	-	✓	✓	✓
AN110-XXN-EN03	Xavier NX 8GB	✓	-	✓	✓	-	✓	✓	✓	✓
AN110-NAO-FN01	Nano 4GB	-	-	✓	-	-	-	✓	✓	✓
AN110-NAO-EN02	Nano 4GB	-	✓	✓	✓	✓	-	✓	✓	✓
AN110-NAO-EN03	Nano 4GB	-	✓	✓	✓	-	✓	✓	✓	✓
AN110-XXN16-FN01	Xavier NX 16GB	-	-	✓	-	-	-	✓	✓	✓
AN110-XXN16-EN02	Xavier NX 16GB	✓	-	✓	✓	✓	-	✓	✓	✓
AN110-XXN16-EN03	Xavier NX 16GB	✓	-	✓	✓	-	✓	✓	✓	✓

## Packing List

Part Number	Description
39-C14328-0001	Fan with Heatsink
39-D23232-0000	Heatsink
31-080000-0005	Cable Kit (GPIO / RS232 / UART CABLE )
31-080000-0007	I2C CABLE
31-080000-0006	Front Panel Cable
32-010000-0006	EU Power Cord (1800mm)
32-010000-0005	US Power Cord (1800mm)
31-030000-0008	JP Power Cord (1800mm)
31-030000-0002	Power Cable DC JACK 2.5mm (200mm)
53-0F0000-0002	Power Adapter 100-240V 60W 12V 5A

## Accessory (Optional)

Part Number	Description
53-0G8265-0000	Intel AC8265.NGWMG WiFi/Bluetooth Module

