

AI Inference / DeviceEdge

Jetson System AIE-KN13/AIE-KN23



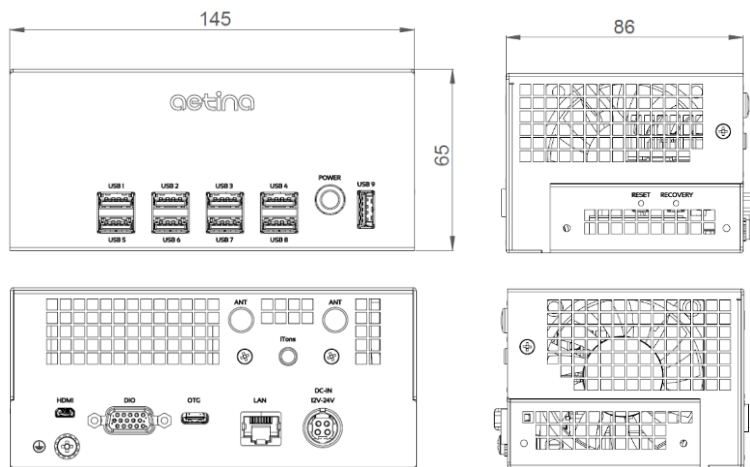
Features

- Support NVIDIA Jetson Module at Jetson Xavier™ NX
- DC 12~19V power input
- 1 x GbE LAN port
- Built-in M.2 M-key 2242 NVMe 128G SSD and support M.2 E-key 2230 for Wifi/BT Function
- 9 x USB for Type A and 1 x USB for Type C (OTG only)
- Operating temperature range from -20°C~60°C
- Small size and lightweight design

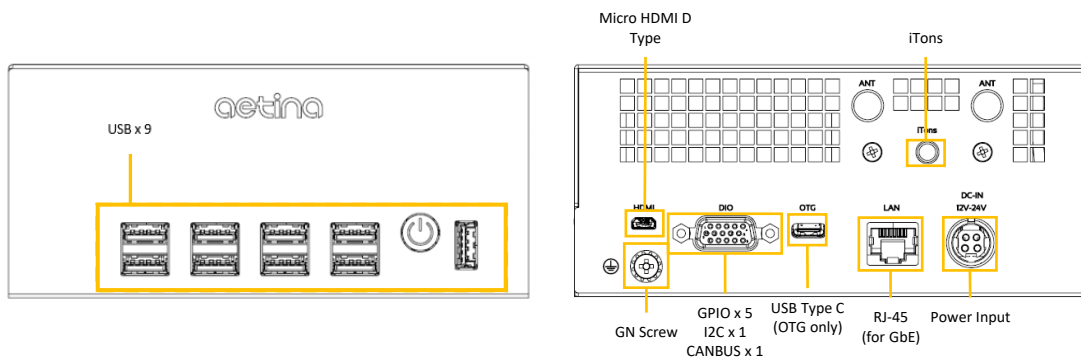
Specifications

Model Number	AIE-KN13	AIE-KN23
Module Compatibility	NVIDIA Jetson Xavier NX 8G / 16G	
Storage	16GB eMMC 5.1 Flash	
Display	1 x HDMI 2.0 With Micro HDMI D Type Connector	
Audio	HDMI Integrated	
LAN	1 x RJ-45 For GbE Port	
USB	9 x USB 3.2 Gen1 Type A 1 x USB Type-C (OTG Only)	
I/O Interfaces	5 x GPIO, 1x UART, 1x I ² C, 1x CAN Bus	
Expansion	1 x M.2 M-key 2242 : Nvme 128G SSD (Build-in) 1 x M.2 E-key 2230 : Wifi/BT Function	
MISC. Function	1 x AI Button (iTons) 1 x Power Button 1 x Recovery Button 1 x Reset Button	
Power Input / Connector	DC-in 12V~19V / DC Jack 4pin	
Power Consumption	Idle: 4.56W (Connect With Keyboard, Mouse and HDMI Display) Full Loading: 32.52W (Connect with keyboard, mouse and HDMI display with CPU and GPU 100% loading)	
Dimension(W x D x H)	145 x 86 x 65mm	
Mounting	VESA Mount / Din Rail (Optional)	
Net Weight	690g	
Vibration	1 Grms, IEC 60068-2-64, random, 5 ~ 500 Hz, 1 hr/axis	
Shock	10 G, IEC 60068-2-27, half sine, 11 ms duration	
Temperature	Operating Temperature: -20°C ~ +60°C Storage Temperature: -40°C ~ +85°C	
Humidity	5 to 90% @ 40°C Related Humidity, Non-condensing	
OS Support	Ubuntu 18.04	
Certification	CE/FCC Class A	

System & Mounting Dimensions



I/O Mechanical Layout



Ordering Information

Model name	Description
AIE-KN13-1-A1	With Jetson Xavier NX 8G including DB15 Cable, 128G SSD, -20°C to +50°C
AIE-KN23-1-A1	With Jetson Xavier NX 16G including DB15 Cable, 128G SSD, -20°C to +50°C

Peripheral (Optional)

<https://www.aetina.com/wp-content/uploads/Datasheet/Aetina%20Peripherals%20List%20for%20Jetson%20Platforms%26Systems.pdf>

