

AI Inference / DeviceEdge

Jetson System AIE-KX13/23



Features

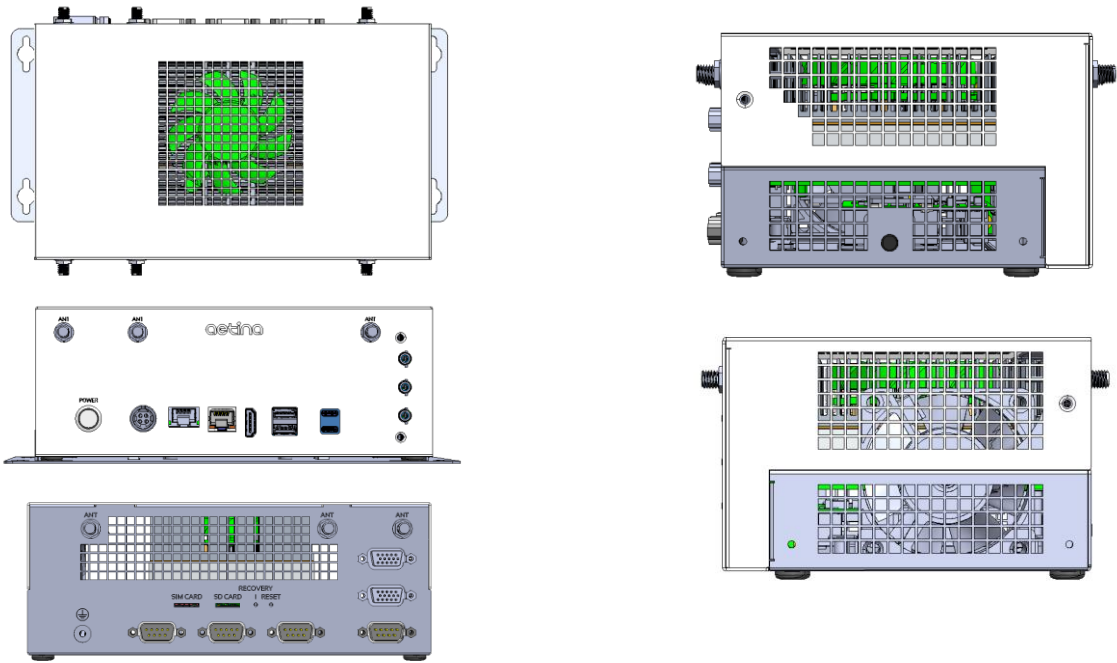
- Support NVIDIA® Jetson AGX Orin™ 32GB/64GB module
- Wide Power Input Range 9 to 36VDC
- 1 x GbE/1 x 10GbE LAN port
- Build in 1 x B-Key/1 x E-Key/1 x M-Key slot
- Out of Band function & recovery function support
- Operating Temperature -25°C ~ +70°C



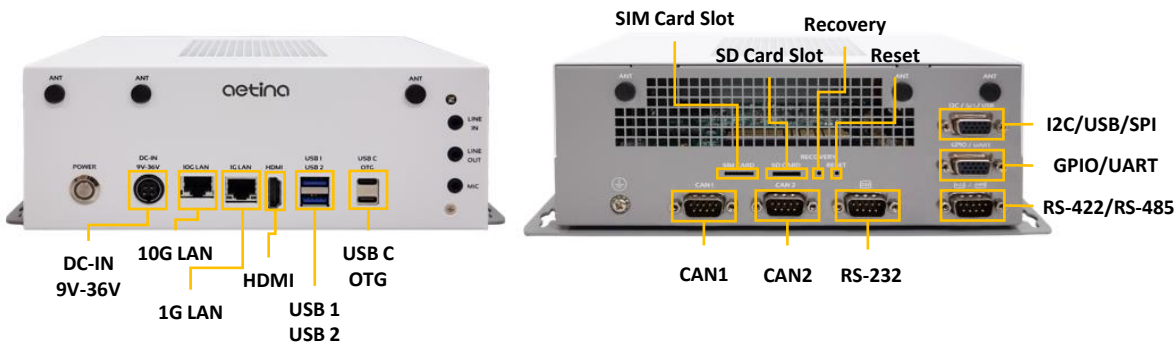
Specifications

Model Number	AIE-KX13	AIE-KX23
Module Compatibility	NVIDIA Jetson AGX Orin 32GB	NVIDIA Jetson AGX Orin 64GB
Storage	64GB eMMC 5.1	
Display	1 x HDMI 2.1 Type A	
Audio	Line-out/Line-in/Mic (opt. with Daughter Board)	
LAN	1 x RJ-45 GbE port, 1 x RJ-45 10GbE port	
USB	2 x USB 3.2 Gen1 Type A, 1 x USB 2.0 (DB-15), 1 x USB 2.0 Type-C (OTG only), 1 x USB 3.2 Type-C Gen 2	
I/O Interfaces	2 x I2C, 1 x I2S, 1 x SPI, 5 x GPIO 1 x RS-232, 1 x RS-422 / RS-485 2 x CAN 2.0b w/ isolation 1 x microSD Slot, 1 x SIM Card Slot	
Expansion	1 x M.2 B-Key 3042/3052 (LTE/5G - USB3) w/ micro sim holder: cellular function 1 x M.2 E-Key 2230 (PCIe/USB2): WIFI/BT/GPS function 1 x M.2 M-Key (NVMe) 2280: Storage	
MISC. Function	1 x Power / Recovery (Optional) / Reset Button 2 x UART, 1 x UART3 (Debug only)	
Power Input /Connector	DC-in 9 to 36 VDC / 4-pin DC Jack Power Connector	
Power Consumption	Idle: 0.847 (Connect with Keyboard, Mouse and HDMI Display) Full Loading: 26.559 (Connect with keyboard, mouse and HDMI display with CPU and GPU 100% loading)	
Dimension (Wx Dx H)	210 x 124.7 x 84mm	
Mounting	Wall Mount / Din Rail (Optional)	
Net Weight	1969g	
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: -25°C ~ +70°C Storage Temperature: -40°C ~ +85°C	
Humidity	5 to 90% @ 40°C Related Humidity, Non-condensing	
OS Support	Ubuntu 20.04	
Certification	CE/FCC Class A, IEC 62368	

System & Mounting Dimensions



I/O Mechanical Layout



Ordering Information

Model name	Description
AIE-KX13-1-A1	AIE-KX13 w/ AGX ORIN 32GB, 1 x HDMI, 2 x USB-A, 1 x USB-MICRO C, 1 x RJ-45 GbE PORT, 1 x RJ-45 10GbE PORT, 2 x FAN, 9 to 36VDC INPUT, -25°C to +70°C
AIE-KX23-1-A1	AIE-KX23 w/ AGX ORIN 64GB, 1 x HDMI, 2 x USB-A, 1 x USB-MICRO C, 1 x RJ-45 GbE PORT, 1 x RJ-45 10GbE PORT, 2 x FAN, 9 to 36VDC INPUT, -25°C to +70°C

Peripheral (Optional)

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

