

AI Inference / DeviceEdge

Jetson System AIE-KO22/AIE-KO32 AIE-KN32/AIE-KN42



Features

- Simultaneously support NVIDIA® Jetson Orin Nano and Orin NX.
- Specifically designed for high performance and low-power develop AI computing.
- Real-time monitoring for status of device through the AIM

*Preliminary

Specifications

Model Number	AIE-KO22 / AIE-KO32	AIE-KN32 / AIE-KN42
Module Compatibility	Nvidia Jetson ORIN NANO 4G / 8G	Nvidia Jetson ORIN NX 8G / 16G
Storage	128GB M.2 2242 NVMe PCIe SSD	
Display	1 x HDMI Type A	
Audio	LINE IN/OUT, Microphone (optional with daughter board)	
LAN	1 x RJ-45 GbE Ports, 1 x RJ45 2.5GbE Ports	
USB	2 x USB 3.2 Gen2 Type A, 1 x USB 2.0 Type-C (OTG only)	
I/O Interfaces	5 x GPIO, 3 x I ² C, 1 x UART1, 1 x UART3 (Debug Only), 1 x RS-232, 1 x CAN (Isolation), 1 x RS-422/485, OOB(Optional)	
Expansion	1 x M.2 B-Key 3042/3052 (LTE/5G - USB3) w/ sim holder: cellular function 1 x M.2 E-Key 2230 (PCIe/USB2): WIFI/BT Module 1 x M.2 M-Key (NVMe) 2242: Storage	
MISC. Function	1 x Power / Recovery / Reset Button	
Power Input /Connector	DC-in 12 to 24 VDC / 4-pin DC Jack Power Connector	
Dimension(Wx Dx H)	TBD	
Mounting	Wall Mount / Din Rail (Optional)	
Net Weight	TBD	
Temperature	-25°C ~ +70°C	
Humidity	5 to 90% @ 40°C Related Humidity, Non-condensing	
Certification	CE/FCC Class A, IEC 62368	

Ordering Information

Model name	Description
AIE-KO22-1-A1	ORIN NANO 4G, 1 x HDMI, 2 x USB-A, 1 x USB-C(OTG only), 1 x RJ-45 GbE PORT, 1 x RJ45 2.5GbE Ports, 1 x FAN, 12 to 24V DC INPUT, -25°C to +70°C
AIE-KO32-1-A1	ORIN NANO 8G, 1 x HDMI, 2 x USB-A, 1 x USB-C(OTG only), 1 x RJ-45 GbE PORT, 1 x RJ45 2.5GbE Ports, 1 x FAN, 12 to 24V DC INPUT, -25°C to +70°C
AIE-KN32-1-A1	ORIN NX 8G, 1 x HDMI, 2 x USB-A, 1 x USB-C(OTG only), 1 x RJ-45 GbE PORT, 1 x RJ45 2.5GbE Ports, 1 x FAN, 12 to 24V DC INPUT, -25°C to +70°C
AIE-KN42-1-A1	ORIN NX 16G, 1 x HDMI, 2 x USB-A, 1 x USB-C(OTG only), 1 x RJ-45 GbE PORT, 1 x RJ45 2.5GbE Ports, 1 x FAN, 12 to 24V DC INPUT, -25°C to +70°C

Accessory (Optional)

Part No.	Description
55-AAN810-Z000	AN810 DIN RAIL KIT ASSY

