AIR-150

26 TOPS AI Inference System Intel 13th Gen. with Hailo-8 AI

Features

- 13th gen. Intel Core i3/i5 up to 14 Watt with 10 Cores
- Empowered by Hailo-8 M.2 AI module up to 26 TOPS
- Compact Fanless 156 x 112 x 60mm dimensions
- Dual 4K lockable HDMI 2.0b, 4096x2160 resolution
- Vertical I/O: 3x COM/1x DIO/2x CANBus/2x LAN/4x USB
- Rich AI toolkits for runtime integration and model deployment
- Flexible expansion with 3x M.2:
  M key 2280 (NVMe storage),
  E key 2230 (Wi-Fi),
  B key 3042 (Hailo AI)
- Suitable for Industrial usage:
  -20~60°C wide temperature and 12-24V wide voltage support

WISE-DeviceOn HAILO EdgeAI SDK

Specifications

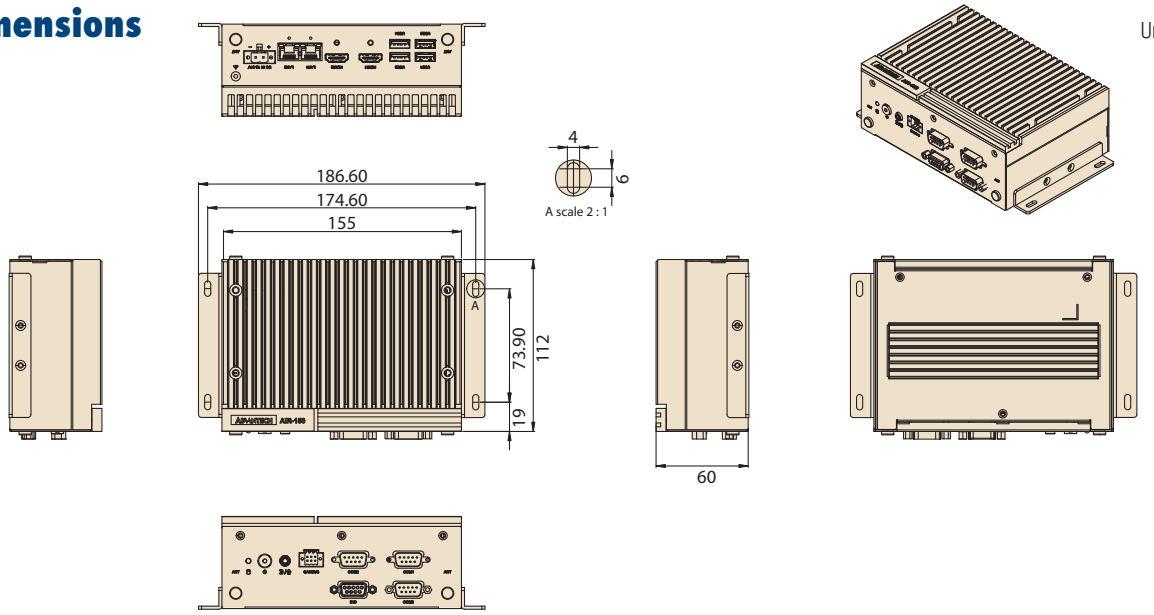
Processor System	CPU	Core i5-1345UE	Core i3-1315UE
	System Chipset	Integrated in CPU	
Memory	Technology	Dual Channel DDR5 5200 MHz 262 pin SO-DIMM	
	Capacity	Max. capacity 64GB	
Graphics	Chipset	Intel® Iris® Xe Graphics eligible	Intel® UHD Graphics for 13th Gen Intel® Processors
	Graphic Engine	Direct X 12.1, OpenGL 4.6 HW Encode: H.265/HEVC, H.264/AVC, VP9, SCC HW Decode: H.265/HEVC, H.264/AVC, VP9, SCC	
	HDMI	2x HDMI 2.0b: 4096x2160@60Hz, Dual Display	
Storage	SSD/M.2	SATA Slim M-Key 2280 (SATA, PCIex4 Gen.4 NVMe)	
I/O Interface	LAN1	10/100/1000 Mbps Intel i219 1GbE	
	LAN2	100/1000/2500 Mbps Intel i226 2.5 GbE	
	USB 2.0/USB 3.2	1/3	
	Audio	1 x Mic-in / Line-out, Realtek ALC888S HD Audio	
	COM	2 x RS-232/422/485 1x RS-485 (COM3)	
	DIO	DB9 8 bit, 1 port	
	CANBus	2x3 pin, 2 ports	
Expansion	M.2	1 x E-Key 2230 (PCIex1, USB2.0) 1 x B-Key 3042/3052#1 w/ Nano SIM (PCIex1, USB 3.2)#2 1 x M-Key 2280 (SATA, PCIex4)	
Trusted Platform Module	TPM 2.0	SLB9670XQ2.0 (on board)	
Power Requirement	Power Input Voltage	12-24 V_{DC}	
	Power Type	ATX/AT mode (Default ATX)	
Power Consumption	Typical (OS idle mode)	17.9W	
	Max. (Full loading)	45.81W	
Physical Characteristics	Mounting	Wall Mounting/Din-Rail	
	Dimensions (W x H x D)	156 x 112 x 60 mm	
	Weight	1.3 kg	
Environment	Operating Temperature	-20 ~ 60 °C, with 0.7m/s air flow	
	Storage Temperature	-40 ~ 85 °C (-40 ~ 185°F)	
	Relative Humidity	95% @ 40 °C (non-condensing)	
	Vibration during Operation	3 Grms, IEC60068-2-64, random, 5~500 Hz, 1hr/axis (with Wall Mount)	
	Shock during Operation	30 G, IEC-60068-2-27, half sine, 11 ms duration (with Wall Mount)	
Software Support	Microsoft Windows	Windows 10/ Windows 11 IoT 64-bit	
	Linux	Ubuntu 22.04	
Certification	EMC	CE/FCC Class B, Heavy Industry 61000-6-4, 61000-6-2, CCC, BSMI	
	Safety	UL, CB, CCC, BSMI	

#1 The M.2 B key default support 3042/2242, 3052 is support by project.
#2 For the AIR-150-S24A1 & AIR-150-S44A1, the M.2 B-Key 3052 slot is by default bundled with the Hailo AI module.

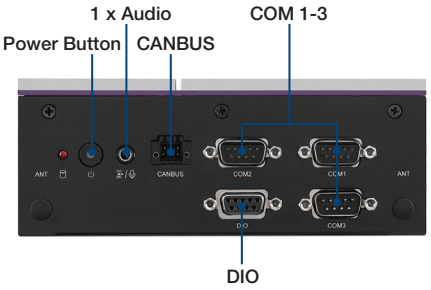
All product specifications are subject to change without notice.
Last updated: 11-Dec-2025

Dimensions

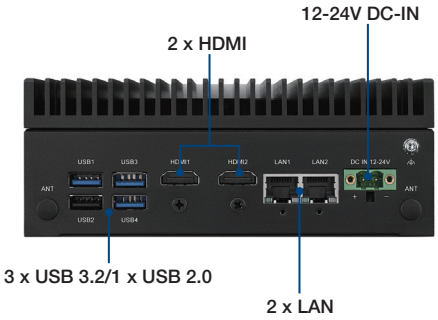
Unit: mm



Front View



Rear View



Ordering Information

Part No.	CPU	M.2 B-Key 3042	Memory	M-Key 2280	E-key 2230	Display	LAN	USB	CANBus	DIO	RS-232/ 422/485	SATA Slim	Power Input	Operating Temp.	Audio
AIR-150-S44A1	Intel Core i5-1345UE	Built-in Hailo-8 AI module	UP to 64GB	1	1	2 x HDMI	2 (1GbE/2.5GbE)	3 x 3.2 1 x 2.0	2	1	3	1	12-24 V_{DC}	-20 ~ 60 °C	Mic-in/ Line-out
AIR-150-S24A1	Intel Core i3-1315UE														
AIR-150-S24B1	Intel Core i3-1315UE	1													
AIR-150-S44B1	Intel Core i5-1345UE														

* System Made in Taiwan

Packing List

Part Number	Description
-	1 x AIR-150 unit
1960052226N004	2 x Wallmount
2006R15000	1 x User manual (Simplified Chinese)
36WSWPDOBUND11	1 x WISE-DeviceOn Package
1652000099	1x Phoenix connector counterpart
1652008233-01	1x Canbus counterpart

Optional Items

Part Number	Description
XARK-ADP-90MDH	90W Power Adaptor (19V DC in)
1700001524	Power Cable 3-pin 180cm, USA type
170203183C	Power Cable 3-pin 180cm, Europe type
170203180A	Power Cable 3-pin 180cm, UK type
1700008921	Power Cable 3-pin PSE Mark 183cm
AMK-R006E	DIN-Rail Mounting for EI-53

Embedded OS

Part Number	Description
20706WX1VS0082	Win 10 IoT 64 bit w/ WISE Device-On Core i3/i5 SKU
20706U22DS0036	Ubuntu Desktop 22.04 LTS 64bit
20706WLV1S0018	Win 11 IoT 64 bit w/ WISE Device-On Core i3/i5 SKU

Edge AI SDK — *Edge AI Inference Deployment and Hardware Validation*

Inference Kit | Production-Ready AI Inference on Edge Devices

Provides a unified and hardware-aligned runtime for deploying and validating AI inference on edge devices

It simplifies integration across CPUs, GPUs, and AI accelerators while enabling performance benchmarking and compatibility verification on target hardware.Designed for production use, Inference Kit helps hardware partners ensure stable, scalable, and repeatable AI deployment across product lines.

Benefits and Features

Unified Inference Runtime

- Consistent inference across CPUs, GPUs, and accelerators
- Vendor-optimized runtime integration
- Built-in UnielnfraI acceleration framework
- Optimized inference pipelines and runtime efficiency

Hardware Validation

- Benchmarking on target devices
- OS and accelerator compatibility validation
- Performance and stability verification

Production-Ready Deployment

- Stable, long-running inference operation
- System monitoring and observability support
- Designed for scalable edge deployment

Global Customer Support

- System reliability certification
- Inference computing enablement
- Edge-to-cloud scalability collaboration

☞ Find More Information about Edge AI SDK