

IE32SB3-101AI

Edge AI Computer with Hailo-8™ M.2 AI Acceleration Module

HAILO
Empowering Intelligence



CE

FCC

KEY FEATURES

- Intel Atom® x6413E Processor 1.5M Cache, up to 3.00 GHz
- Integrated 26 TOPS Hailo-8™ AI Processor with best power efficiency
- Low latency and high-efficiency AI inferencing on edge device
- 1 x DDR4 SO-DIMM 3200 MHz, max. 16GB
- Supports 2 x USB 3.2 Gen 2x1, Max. 3 x COM
- Elegant and slim mechanic

INTRODUCTION

Winmate Edge AI Computing empowers industries with advanced AIoT capabilities by combining powerful processors, integrated AI acceleration, and robust connectivity. Designed for diverse applications such as manufacturing, healthcare, and smart cities, it supports seamless cloud integration and AI-assisted analytics for real-time insights. With optional support for Intel®, Hailo AI chips, and NVIDIA GPUs, along with low-latency AI inferencing and rugged designs, Winmate's solutions offer scalability, efficiency, and adaptability, redefining performance standards for AI-driven industrial IoT.

SPECIFICATIONS

System Specification

Processor	Intel Atom® x6413E (up to 3.0GHz)	Memory	1 x SO-DIMM, DDR4 3200 MHz, 8GB 16GB (Optional)
Storage	1 x M.2 2242 B-key SSD 256GB 512GB (Optional)	Ethernet controller	2 x Intel® Ethernet Controller
Security	TPM 2.0	Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Windows 10 IoT Enterprise (64 bit) (Optional) Linux Ubuntu 22.04 (Optional)
AI Accelerator	Hailo 8™ AI accelerator module, up to 26 TOPS	Graphic Card	Hailo 8™ AI accelerator module, up to 26 TOPS

Mechanical

Dimension	205 x 110 x 55 mm	Weight	1.1 kg
Mounting	Desk Mount	Enclosure	Metal Housing
Cooling System	Fanless design		

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 55°C
Storage Temperature	-10°C to 60°C		

Certification

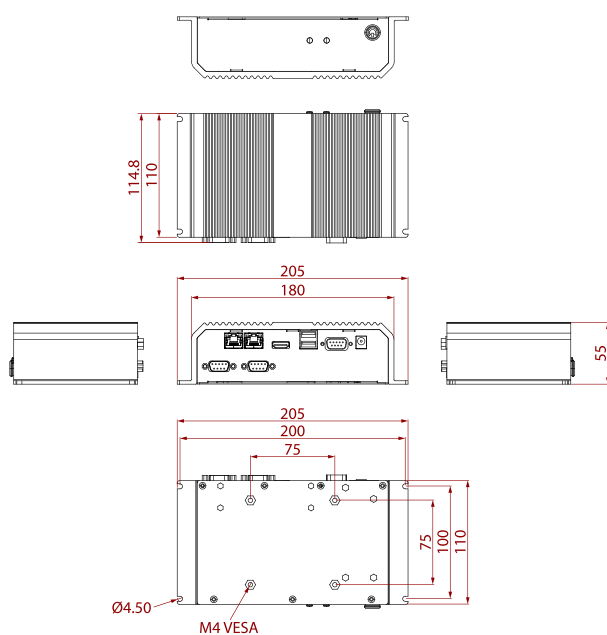
Certification	CE, FCC
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IO Ports

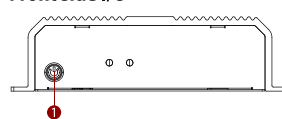
Power Input	1 x 12V DC, 2.5φ DC jack	USB Port	2 x USB3.2 Gen2x1 (Type-A)
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Serial Port	1 x RS232/422/485 (Default RS232) 1~2 x RS232 (Optional)	Video	1 x HDMI 2.0 (Optional)
LAN	2 x 2.5 Giga LAN RJ45 Connector		
Control			
Button	1 x Power Button		
Accessory			
Accessory	1 x 100~240V AC to DC Adapter 1 x Power Cord 1 x Quick Start Guide 6 x M4*8 desk mount screws		
Power			
Power Rating	12V DC		

DIMENSIONS UNIT:MM

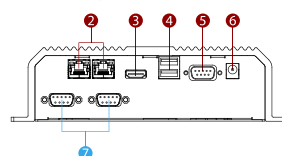


Front side I/O



1 Power Switch

Rear side I/O



2 LAN
3 HDMI
4 USB Type-A
5 COM
6 Power Input
7 COM (Optional)

NOTE

- 1.This is a simplified drawing and some components are not marked in detail.
- 2.Please contact our sales representative if you need further product information.
- 3.All specifications are subject to change without prior notice.
- 4.The product shown in this datasheet is a standard model.For diagrams that contain customized or optional I/ O, please contact the Winmate Sales Team for more information.