

ITMH100-AI

Intel® Core™ i5-1135G7 Edge AI Computer

HAILO
Empowering Intelligence



CE

FCC

KEY FEATURES

- Intel® Tiger Lake UP3 Core™ i5-1135G7 rugged Box PC
- Multi Video Output, HDMI/DisplayPort
- Integrated 26 TOPS Hailo-8™ AI Processor with best power efficiency
- Quick & Easy Replaceable Hard Disk Design, No Tools required
- Support wide range 9-29V DC input
- Optional with Modular front Display as a Panel PC

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 Core i5-1135G7 2.4GHz (up to 4.2GHz)	Memory	2 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional)
Storage	2 x 2.5" Removable 256GB SSD up to 512GB	Ethernet controller	Intel® Ethernet Controller I211-AT + Intel® Ethernet Connection I219-LM
Security	Trusted Platform Module (TPM) 2.0	Operating System	Windows 11 IoT Enterprise (64 bit) (Optional) Windows 11 Pro 64 bit (Optional) Linux Ubuntu 22.04(Do not support Wake on Touch) (Optional)
WLAN	Support (Optional)	BT	Support (Optional)
Expansion Port	Modular Design for easy service in the field	AI Accelerator	Hailo 8™ AI accelerator module, up to 26 TOPS

Mechanical

Dimension	276 x 207 x 60 mm	Weight	3.0 kg
Mounting	VESA Mount	Enclosure	Metal Housing
Cooling System	Fanless design		

Environment

Operating Humidity	10% to 90% RH, Non-Condensing	Operating Temperature	0°C to 50°C
Storage Temperature	-10°C to 60°C		

Certification

Certification	CE, FCC
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IO Ports

Power Input	1 x 9~29V DC, 3-Pin Terminal Block	USB Port	4 x USB 3.2 Gen.1 (Type-A)
Serial Port	2 x RS232/422/485 (Default RS232)	Video	1 x DP1.4 1 x HDMI 2.0 (Optional)
Audio	1 x Audio Combo Connector (Mic in / Line Out)	Expansion Port	1 x mPCIe slot 1 x PCIe x16 slot (x4 signal)(module max size:180x121mm) 1 x M.2 2230 Key E slot for WiFi Swappable 2.5" HDD/SSD Bay Slot
LAN	2 x Giga LAN RJ45 Connector	Indicator	1 x LED Indicator for storage

Control

Button	1 x Power Button with LED Indicator 1 x Reset Button
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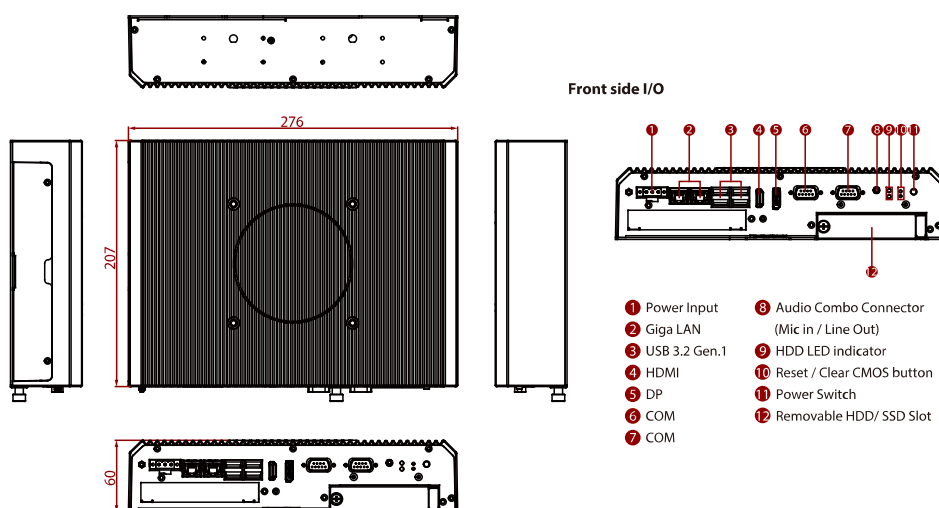
Accessory

Accessory	100~240V AC to DC Adapter Power Cord Open Wire Cable with terminal block connector VESA screws
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Power

Power Rating	9V~29V DC with protection fuse	Adapter	12V 84W
Consumption	45W~55W		

DIMENSIONS UNIT:MM



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.