

ITMH100-AI

Intel® Core™ i5-1135G7 Edge AI Computer



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

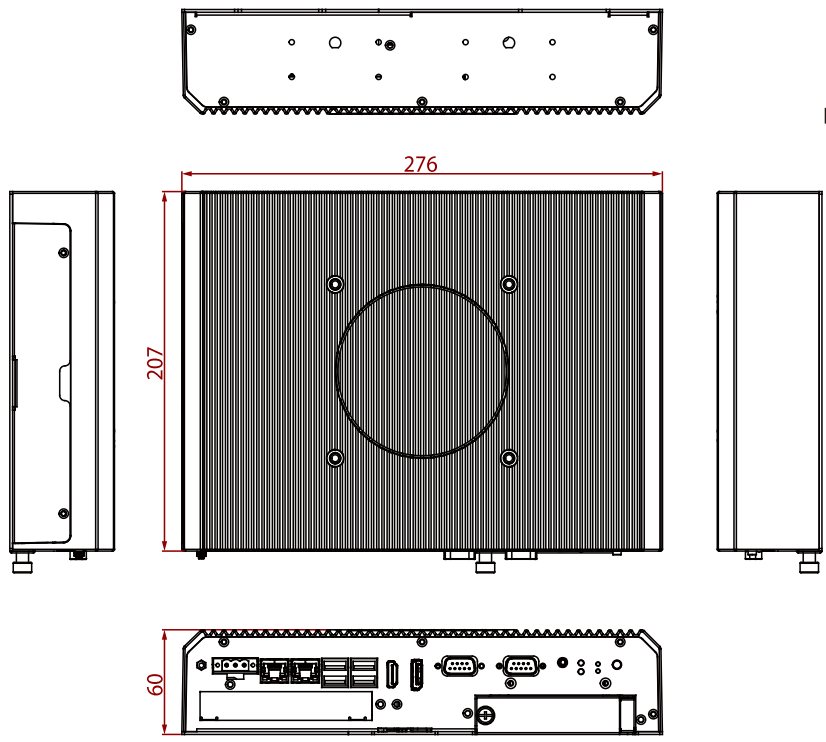


SPECIFICATIONS

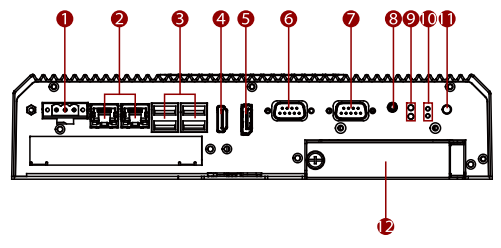
System Specification			
Processor	Intel Core i5-1135G7 2.4GHz (up to 4.2GHz)	Memory	2 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional)
Storage	2 x 2.5" Removable 256GB SSD up to 512GB	Ethernet controller	Intel® Ethernet Controller I211-AT + Intel® Ethernet Connection I219-LM
Security	Trusted Platform Module (TPM) 2.0	Operating System	*Note : Only Windows 11 support Wake on touch 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)
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		
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		
Accessory			
Accessory	100~240V AC to DC Adapter Power Cord Open Wire Cable with terminal block connector VESA screws		
Power			
Power Rating	9V~29V DC with protection fuse	Adapter	12V 84W
Consumption	45W~55W		

DIMENSIONS UNIT:MM



Front side I/O



- ① Power Input
- ② Giga LAN
- ③ USB 3.2 Gen.1
- ④ HDMI
- ⑤ DP
- ⑥ COM
- ⑦ COM
- ⑧ Audio Combo Connector (Mic in / Line Out)
- ⑨ HDD LED indicator
- ⑩ Reset / Clear CMOS button
- ⑪ Power Switch
- ⑫ Removable HDD/ SSD Slot

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.