

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

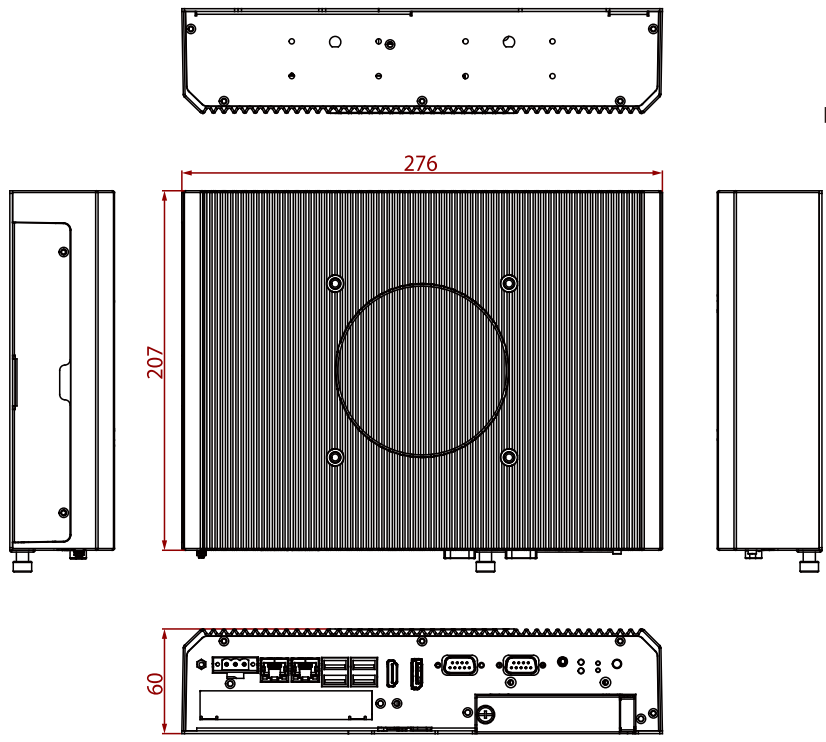


SPECIFICATIONS

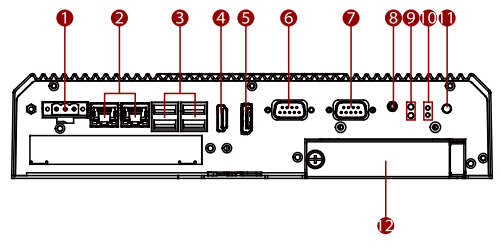
| System Specification | | | |
|----------------------------|---|------------------------------|--|
| Processor | Intel Core i5-1135G7 2.4GHz (up to 4.2GHz) | Memory | 2 x SO-DIMM, DDR4 3200 MHz, 4GB 8GB (Optional) 16GB (Optional) 32GB (Optional) |
| Storage | 2 x 2.5" Removable 256GB SSD up to 512GB | Ethernet controller | Intel® Ethernet Controller I211-AT + Intel® Ethernet Connection I219-LM |
| Security | Trusted Platform Module (TPM) 2.0 | Operating System | 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 | | |
| 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.