# ITMH100-EX

## Intel® Core™ i5-1135G7 CID2 M Series Box PC

### KEY FEATURES

- Intel® Tiger Lake UP3 Core™ i5-1135G7
- Multi Video Output , HDMI/Display Port, Intel® Core™ i5 C1D2 Box PC
- Auto detection of the connected display, No settings necessary
- 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
- Expansion slot for PCIex4
- Class 1, Division 2, ATEX Grade zone 2 and IECEx certified for hazardous area applications

## SPECIFICATIONS

### System Specification

| | | | |
|---|---|---|---|
| **WLAN** | Support (Optional) | **BT** | Support (Optional) |
| **Expansion Port** | Modular Design for easy service in the field | **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** | 1 x M.2 2280 NVMe SSD, 128GB up to 512GB 1 x 2.5" Removable 256GB SSD up to 512GB (Optional) |
| **Ethernet controller** | Intel® Ethernet Controller I211-AT + Intel® Ethernet Connection I219-LM | **Operating System** | Windows 10 IoT Enterprise (64 bit) (Optional) |

### Mechanical

| | | | |
|---|---|---|---|
| **Dimension** | 276 x 207 x 60 mm | **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

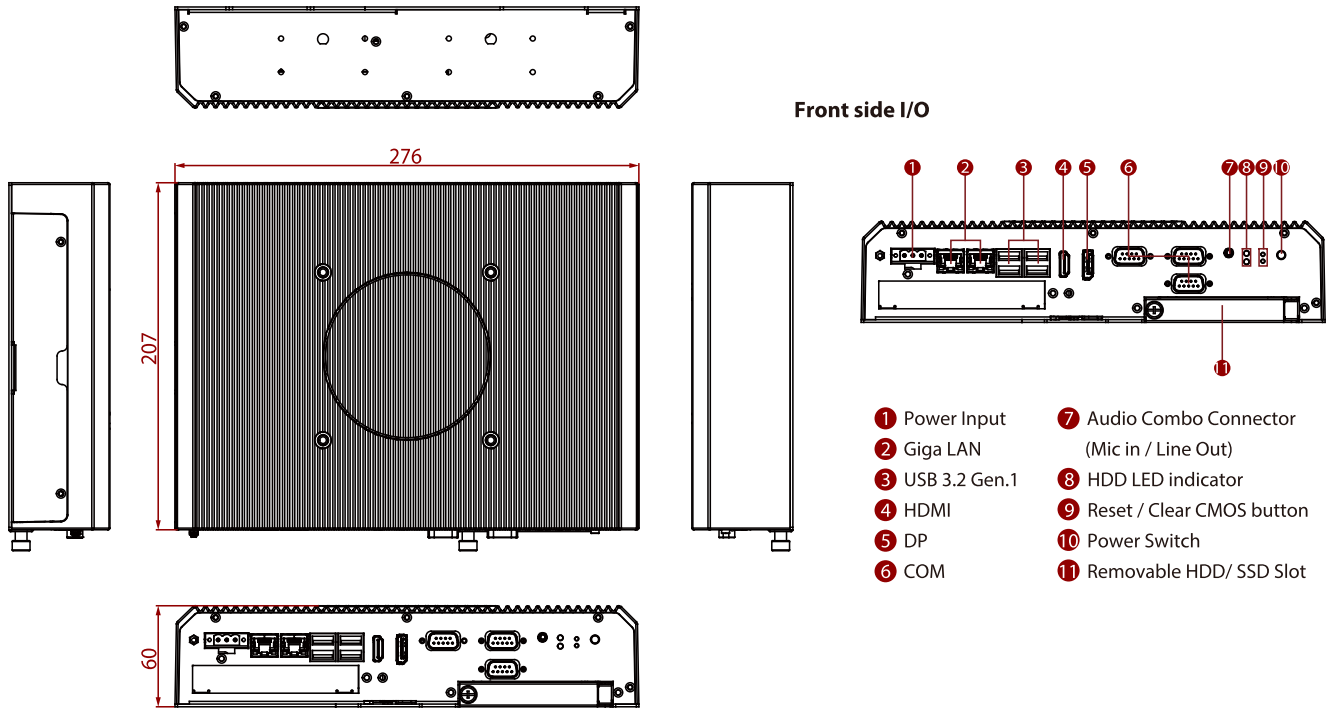| | |
|---|---|
| **Certification** | CE, FCC Class 1, Division 2, Group A, B, C, D, T5 IECEx Ex ec ic IIC T5 Gc Compliance with ATEX grade zone 2 |

### 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) 1 x 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 1 x M.2 2280 Key M slot for NVMe SSD 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<br>1 x Reset Button |

| Accessory | |
|---|---|
| **Accessory** | 100~240V AC to DC Adapter<br>Power Cord<br>Open Wire Cable with terminal block connector<br>VESA screws |

| Power | | | |
|---|---|---|---|
| **Power Rating** | 9V~29V DC with protection fuse | **Adapter** | 12V 84W |

## DIMENSIONS  UNIT:MM



276

207

60

**Front side I/O**

| ❶ | Power Input | ❼ | Audio Combo Connector |
|---|---|---|---|
| ❷ | Giga LAN | | (Mic in / Line Out) |
| ❸ | USB 3.2 Gen.1 | ❽ | HDD LED indicator |
| ❹ | HDMI | ❾ | Reset / Clear CMOS button |
| ❺ | DP | ❿ | Power Switch |
| ❻ | COM | ⓫ | 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.