

BS-E099

High Performance Intel® Kabylake-U Fanless Embedded PC

NEW



Features



- Intel® 7th Gen. Core™ i5 / i3 / Pentium® CPU with fanless
- Operating temperature support max -10°C~60°C
- Max up to 8 ports USB or 4 ports COM
- 4K resolution DP & HDMI support
- Digital I/O 8 in / 8 out support
- DC power in support 12V / 24V

Specifications



System

| | |
|-----------------|---|
| CPU Support | Intel® Core™ i5-7300U, 2.6GHz Intel® Core™ i3-7100U, 2.4GHz Intel® Pentium® 4415U, 2.3GHz |
| Memory Support | 1 x DDR4 SO-DIMM sockets (up to 16GB) |
| Power Input | 60W/DC12V power adaptor (VAC100~240) |
| Expansion Slots | 1 x full-sized mSATA slot |
| Storage | 1 x 2.5" SATAIII 1 x full-sized mPCIe slot |
| Dimensions | 218 x 45 x 148 mm (W x H x D) |
| O.S. | Windows 10 64bit / Ubuntu 16.04 64bit |
| Certifications | FCC / CE |

I/O Ports (Front 1 side)

| | |
|--------------|--|
| Serial Ports | 1 x RJ45/COM 2, RS-232(default)/422/485 & 12V/5V voltage selectable via BIOS 2 x RS-232/optional/COM 3~4, RS-232/optional |
| DIO Port | 1 x DIO (8 in / 8 out), signal by 5V |
| Power On/Off | 1 x Power button |

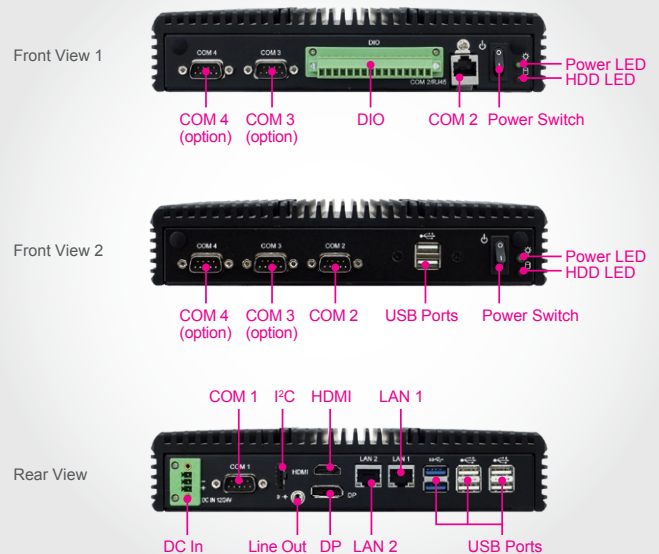
I/O Ports (Front 2 side)

| | |
|--------------|---|
| USB | 2 x USB 2.0, only support Core-i5 / i3 SKU |
| Serial Ports | 1 x D-sub/COM 2, RS232(default)/422/485 selectable via BIOS 2 x D-sub/COM 3~4, RS-232/optional |
| Power On/Off | 1 x Power button |

I/O Ports (Rear side)

| | |
|------------------|--|
| Power Input | 1 x 3 pin DC power connector support 12/24V |
| Serial Ports | 1 x D-sub/COM 1, RS-232 |
| Display | 1 x DP port/4K resolution 1 x HDMI port/4K resolution |
| LAN | 2 x RJ45 GbE LANs |
| Audio | 1 x 3.5" line out phone jack |
| USB | 6 x Ports (4 x USB 3.1 Gen1; 2 x USB 2.0) |
| I ² C | 1 x 4 pin (5V/GND/Date/Clock) |

System Front View & Rear View



Environment

| | |
|--|---|
| Operating Temp. (Ambient with airflow) | For Core i5-7300U / For Core i3-7100U -10°C~60°C (14°F~140°F) ☉Use wide temperature support Memory & SSD for Pentium 4415U: 0°C~40°C (32°F~104°F) |
| Storage Temp. | -40°C~80°C (-40°F~176°F) |
| Humidity | 20%~95% |

Applications

- Automation
- Banking
- Medical
- Industry Filed

* All information contained in this document is subject to change without prior notice. Please log on www.protech.com.tw to acquire latest information. For detail mechanics drawing, please contact our sales.