

BS-E099

High Performance Intel® Kabylake-U Fanless Embedded PC



Features



- Intel® 7th Gen. Core™ i5 / i3 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
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	217.5 x 46 x 140.6 mm (w/o rubber foot) (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

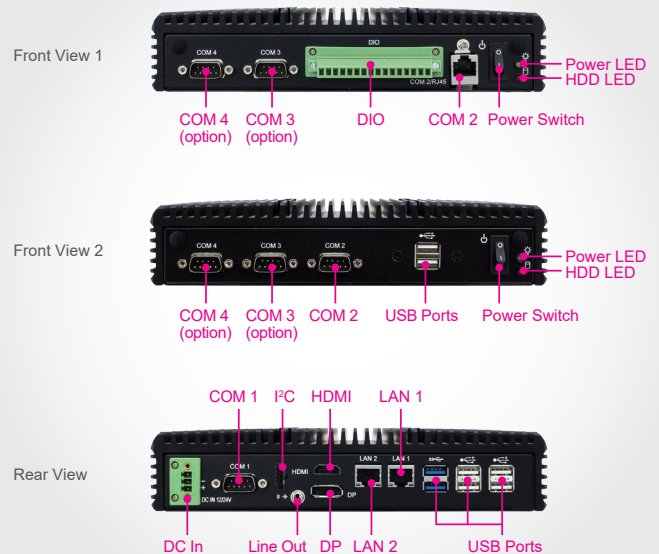
I/O Ports (Front 2 side)

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 (2 x USB 3.1 Gen1; 4 x USB 2.0)
I ² C	1 x 4 pin (5V/GND/Date/Clock)

System Front View & Rear View



Environment

Operating Temp.	For Core i5-7300U / For Core i3-7100U (Ambient with airflow) -10°C~60°C (14°F~140°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.