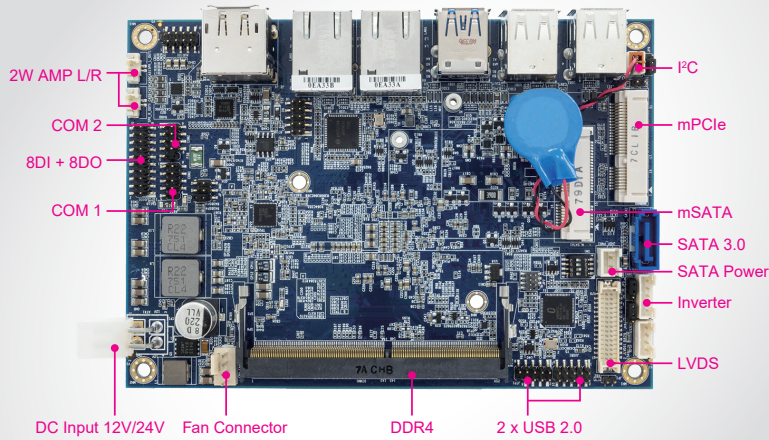


# BE-0996

› 3.5" Intel® Kaby Lake-U Core™ i5 / i3 SoC SBC



## Features



- Intel® Core™ i5-7300U / i3-7100U series SoC
- 2 x LAN, 8 x USB, 2 x COM, 16bit DIO
- 1 x DP, 1 x HDMI, 1 x LVDS
- 1 x full-sized mPCIe
- 1 x full-sized mSATA

## Specifications

### System

|                   |   |
|-------------------|---|
| CPU Support       | Intel® Core™ i5-7300U, 2.6GHz<br>Intel® Core™ i3-7100U, 2.4GHz                      |
| Memory Support    | 1 x SO-DIMM socket, supporting DDR4 up to 16GB (non-ECC)                            |
| BIOS              | AMI BIOS, UEFI only (no DOS)  |
| API/SW/FW         | Hardware Monitor API/utility, Watchdog API/utility, selectable timer: 1~255 seconds |
| Power Supply      | DC In 12V or 24V  |
| Power Consumption | TBD   |
| Dimensions        | 102 x 145 mm (4.02" x 5.71")  |
| Certifications    | FCC / CE  |
| O.S. Support      | Windows10 64bit / Ubuntu16.04 64bit   |

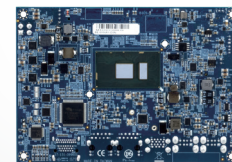
### Graphics

|             |   |
|-------------|---|
| HDMI        | 1 x HDMI, resolution up to 4096 x 2160                  |
| DisplayPort | 1 x DP, resolution up to 1920 x 1200                    |
| LVDS        | 1 x LVDS, 18 bit / 24 bit, resolution up to 1920 x 1200 |

### Environment

|                 |  |
|-----------------|--|
| Operating Temp. | 0°C~60°C (32°F~140°F): with standard heatsink<br>0°C~85°C (32°F~185°F): with qualified thermal solution, T.B.D |
| Storage Temp.   | -40°C~85°C (-40°F~185°F)   |
| Humidity        | Operation & Storage humidity 20%~95%   |

## I/O Panel View



Rear View

## I/O Ports

|                |  |
|----------------|--|
| SATA Interface | 1 x SATA III port (6.0Gb/s)  |
| Serial Ports   | 2 ports (pin header)<br>COM 1: RS232<br>COM 2: RS232/422/485, selectable under BIOS, default RS232 |
| LAN            | Dual LAN<br>Intel® I211 (10/100/1000 Mbps)<br>Intel® I219LM (10/100/1000 Mbps)                     |
| Audio          | Mic In / Line In / Line Out (pin header)<br>Codec IC: Realtek ALC888 (high definition codec)       |
| Digital I/O    | 8 in / 8 out (pin header)  |
| USB            | 8 ports :<br>2 x USB 2.0 (internal wafer)<br>2 x USB 3.0 (rear I/O)<br>4 x USB 2.0 (rear I/O)      |
| Expansion Bus  | 1 x full-sized mSATA slot<br>1 x full-sized mPCIe slot (with USB signal)                           |

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