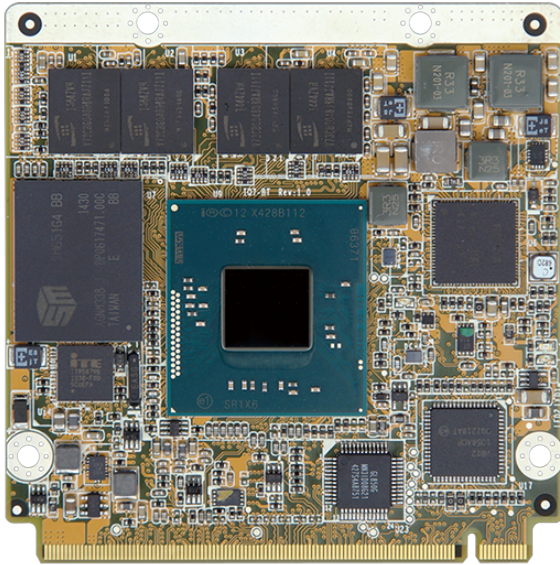


# iQ7-BT

Qseven Rev. 2.0 Module Supports 4th generation Intel® Atom™ Processor



## Features

- » 22nm Intel® Atom™ on-board SoC supported
- » Qseven connector pinout according to Qseven Specification Revision 2.0
- » Supports 2 GB 1066/1333 MHz DDR3L memory (4 GB optional)
- » Optional soldered-down 2 GB~64 GB SSD
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

|                                 |   |
|---------------------------------|---|
| <b>System</b>                   |   |
| CPU                             | Intel® Atom™ E3845 on-board SoC (1.91GHz, quad-core, 2MB cache, TDP=10W)<br>Intel® Atom™ E3825 on-board SoC (1.33GHz, dual-core, 1MB cache, TDP=6W) |
| Memory                          | 2 GB soldered-down 1066/1333 MHz DDR3L memory   |
| Memory Max.                     | 4GB   |
| <b>Physical Characteristics</b> |   |
| Dimensions (LxWxH) (mm)         | 70 X 70   |
| Net Weight                      | 150g  |
| <b>Storage</b>                  |   |
| Storage                         | 2 x SATA :3Gb/s signal to baseboard<br>Optional soldered-down 4 GB SSD (SATA port 2)  |
| <b>I/O Interface</b>            |   |
| Display Output                  | 1 x Display Port :DDI (DP up to 2560x1600@60Hz / HDMI™ up to 1920x1080@60Hz)<br>1 x LVDS :18/24-bit dual-channel (up to 1920x1200@60Hz)             |
| Ethernet                        | Description: Intel® I210 GbE controller   |
| Audio                           | Description: High-definition Audio interface to baseboard   |
| I/O Interface                   | 6 x Internal USB 2.0 :signal to baseboard<br>1 x Internal USB 3.2 Gen1x1 :signal to baseboard   |
| Expansion                       | 3 x PCIe x1 :signal to baseboard  |
| <b>Power</b>                    |   |
| Power Consumption               | 3.3V@0.13A, 5V@0.13A, 12V@1.35A, 5VSB@0.12A (Intel® Atom™ E3845 CPU with 2 GB onboard memory)   |
| <b>Environment</b>              |   |
| Operating Temperature           | -20°C ~ 60°C  |
| Humidity                        | 5% ~ 95%, non-condensing  |
| <b>Certifications</b>           |   |
| Safety & EMC                    | CE/FCC compliant  |

## Ordering Information

|                   |  |
|-------------------|--|
| iQ7-BT-E38451-R10 | Qseven® Rev. 2.0 module supports Intel® Atom™ quad-core processor E3845 (10W), On-board 2GB DDR3L, LVDS, DDI, GbE, SATA 3Gb/s, USB 3.0, SDIO, Audio and RoHS |
| iQ7-BT-E38251-R10 | Qseven® Rev. 2.0 module supports Intel® Atom™ dual-core processor E3825 (6W), On-board 2GB DDR3L, LVDS, DDI, GbE, SATA 3Gb/s, USB 3.0, SDIO, Audio and RoHS  |

## Packing List

|                                  |              |
|----------------------------------|--------------|
| 1 x iQ7-BT single board computer | 1 x Heatsink |
| 1 x QIG                          |              |