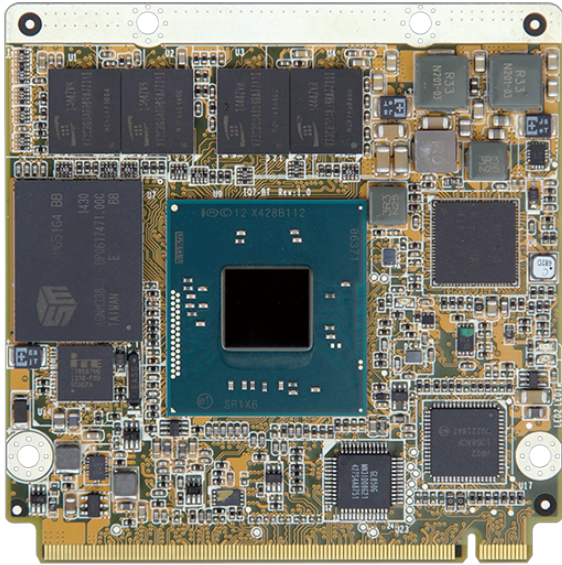


iQ7-BT

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

| | |
|--------------------------|---|
| System | |
| CPU | Intel® Atom™ E3845 on-board SoC (1.91GHz, quad-core, 2MB cache, TDP=10W) 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 |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 70 X 70 |
| Net Weight | 150g |
| Storage | |
| Storage | 2 x SATA :3Gb/s signal to baseboard Optional soldered-down 4 GB SSD (SATA port 2) |
| I/O Interface | |
| Display Output | 1 x Display Port :DDI (DP up to 2560x1600@60Hz / HDMI™ up to 1920x1080@60Hz) 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 1 x Internal USB 3.2 Gen1x1 :signal to baseboard |
| Expansion | 3 x PCIe x1 :signal to baseboard |
| Power | |
| Power Consumption | 3.3V@0.13A, 5V@0.13A, 12V@1.35A, 5VSB@0.12A (Intel® Atom™ E3845 CPU with 2 GB onboard memory) |
| Environment | |
| Operating Temperature | -20°C ~ 60°C |
| Humidity | 5% ~ 95%, non-condensing |
| Certifications | |
| 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 | |