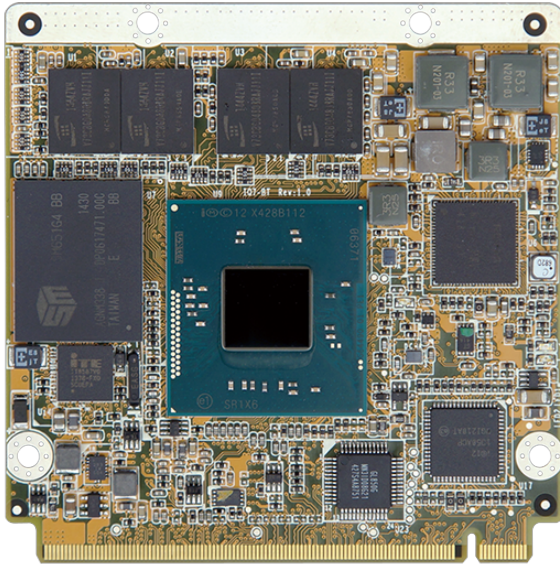


# iQ7-BT

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	