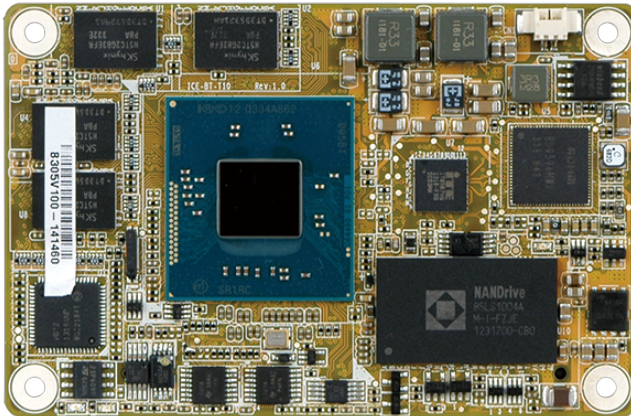


# ICE-BT-T10

COM Express Rev 2.1 Mini Size Type 10 Module, Intel® 4th Generation Atom™ Processor,



## Features

- » Intel® 22nm Atom™ on-board SoC supported
- » Type 10 connector pinout according to COM.0 R2.1
- » Supports 2 GB 1066/1333 MHz DDR3L memory
- » Optional soldered down 4 GB SSD
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery
- » Support wide range operating temperature: -40°C to +85°C

## 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)<br>Intel® Atom™ E3815 on-board SoC (1.46GHz, single-core, 512KB cache, TDP=5W) |
| Memory                          | 2 GB soldered down 1066/1333 MHz DDR3L memory  |
| Memory Max.                     | 8GB  |
| <b>Physical Characteristics</b> |  |
| Dimensions (LxWxH) (mm)         | 84 X 55  |
| Net Weight                      | 150g   |
| <b>Storage</b>                  |  |
| Storage                         | 2 x SATA :signal to baseboard<br>Optional soldered down SSD up to 64 GB (SATA port 1)  |
| <b>I/O Interface</b>            |  |
| Display Output                  | 1 x VGA :up to 2560x1600@60Hz<br>2 x Display Port :1 x DDI DisplayPort/HDMI™/DVI (DP up to 2560x1600@60Hz / HDMI™ up to 1920x1080@60Hz)<br>1 x DDI: Embedded DP (up to 2560x1600@60Hz)   |
| Ethernet                        | Description: Intel® I210-AT GbE controller (Intel® I210-IT GbE controller with W2 sku)   |
| Audio                           | Description: High-definition Audio interface to baseboard  |
| I/O Interface                   | 4 x Internal USB 2.0 :signal to basedoard<br>1 x Internal USB 3.2 Gen1x1 :signal to basedoard  |
| Expansion                       | 3 x PCIe x1 :signal to basedoard   |
| <b>Power</b>                    |  |
| Power Consumption               | 12V@0.43A, Vcore_12V@0.9 A (Intel® Atom™ E3845 CPU, 2 GB 1333 MHz DDR3L memory)  |
| <b>Environment</b>              |  |
| Operating Temperature           | -40°C ~ 85°C   |
| Storage Temperature             | -40°C ~ 85°C   |
| Humidity                        | 5% ~ 95%, non-condensing   |
| <b>Certifications</b>           |  |
| Safety & EMC                    | CE/FCC compliant   |

## Ordering Information

|                         |   |
|-------------------------|---|
| ICE-BT-T10-E38451W2-R10 | COM Express Basic Type 10 module supports Intel® Atom™ Quad-Core Processor E3845(10W), On-board 2GB DDR3L, VGA, DDI, GbE, SATA, USB 3.0 and HD Audio, -40°C ~ 85°C and RoHS |
| ICE-BT-T10-E38451-R10   | COM Express Basic Type 10 module supports Intel® Atom™ Quad-Core Processor E3845(10W), On-board 2GB DDR3L, VGA, DDI, GbE, SATA, USB 3.0 and HD Audio, RoHS                  |
| ICE-BT-T10-E38251W2-R10 | COM Express Basic Type 10 module supports Intel® Atom™ Dual-Core Processor E3825(6W), On-board 2GB DDR3L, VGA, DDI, GbE, SATA, USB 3.0 and HD Audio, -40°C ~ 85°C and RoHS  |
| ICE-BT-T10-E38251-R10   | COM Express Basic Type 10 module supports Intel® Atom™ Dual-Core Processor E3825(6W), On-board 2GB DDR3L, VGA, DDI, GbE, SATA, USB 3.0 and HD Audio, RoHS                   |
| ICE-BT-T10-E38151-R10   | COM Express Basic Type 10 module supports Intel® Atom™ Single-Core Processor E3815(5W), On-board 2GB DDR3L, VGA, DDI, GbE, SATA, USB 3.0 and HD Audio, RoHS                 |

## Packing List

|                                      |              |
|--------------------------------------|--------------|
| 1 x ICE-BT-T10 single board computer | 1 x Heatsink |
| 1 x QIG                              |              |