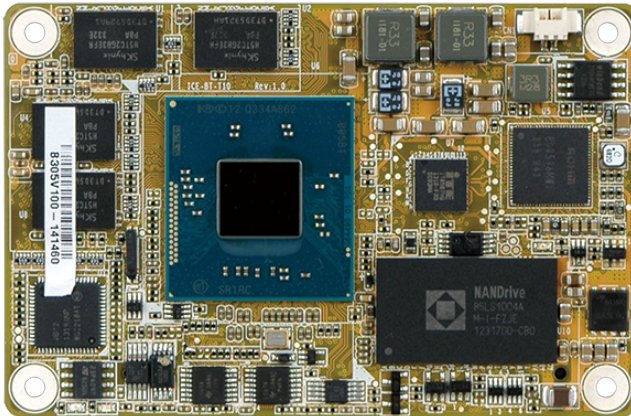


# ICE-BT-T10

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

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) 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
Physical Characteristics	
Dimensions (LxWxH) (mm)	84 X 55
Net Weight	150g
Storage	
Storage	2 x SATA :signal to baseboard Optional soldered down SSD up to 64 GB (SATA port 1)
I/O Interface	
Display Output	1 x VGA :up to 2560x1600@60Hz 2 x Display Port :1 x DDI DisplayPort/HDMI™/DVI (DP up to 2560x1600@60Hz / HDMI™ up to 1920x1080@60Hz) 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 1 x Internal USB 3.2 Gen1x1 :signal to basedoard
Expansion	3 x PCIe x1 :signal to basedoard
Power	
Power Consumption	12V@0.43A, Vcore_12V@0.9 A (Intel® Atom™ E3845 CPU, 2 GB 1333 MHz DDR3L memory)
Environment	
Operating Temperature	-40°C ~ 85°C
Storage Temperature	-40°C ~ 85°C
Humidity	5% ~ 95%, non-condensing
Certifications	
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	