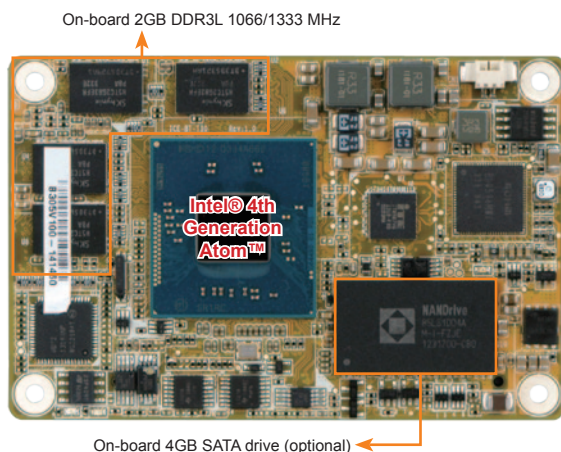


TYPE 10

ICE-BT-T10

COM Express Rev 2.1 Mini Size Type 10 Module, Intel® 4th Generation Atom™ Processor, VGA, DDI, GbE, SATA 3Gb/s, USB and Audio, -40°C to +85°C and RoHS

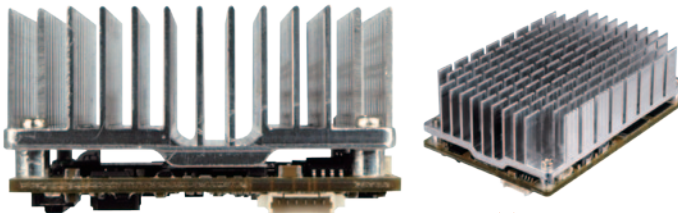


Specifications

- ◆ CPU
 - Intel® Atom™ E3845 on-board SoC (1.91GHz, quad-core, 2MB cache, TDP=10W)
 - Intel® Atom™ E3827 on-board SoC (1.75GHz, dual-core, 1MB cache, TDP=8W)
 - Intel® Atom™ E3826 on-board SoC (1.46GHz, dual-core, 1MB cache, TDP=7W)
 - 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)
 - Intel® Celeron® J1900 on-board SoC (2GHz, quad-core, 2MB cache, TDP=10W)
 - Intel® Celeron® N2930 on-board SoC (1.83GHz, quad-core, 2MB cache, TDP=7.5W)
 - Intel® Celeron® N2807 on-board SoC (1.58GHz, dual-core, 2MB cache, TDP=4.3W)
- ◆ Memory
 - 2GB soldered down 1066/1333 MHz DDR3L memory (4GB optional)
- ◆ BIOS
 - UEFI BIOS
- ◆ Graphics Engine
 - Intel® HD Graphics Gen 7 Engines with 4 execution units, supports DX11.1, OpenGL 4.2 and OpenCL 1.2
- ◆ Display Output
 - 1 x VGA (2560x1600) (via reserved pin)
 - 1 x DDI (DP/HDMI, max. resolution 2560x1600/1920x1080)
 - 1 x eDP
- ◆ Ethernet
 - Intel® I210-AT GbE controller (Intel® I210-IT GbE controller with W2 sku)
- ◆ Embedded Controller
 - ITE IT8587VG-FX
- ◆ Storage
 - 2 x SATA 3Gb/s signal to baseboard
 - Optional soldered down 4GB SSD (SATA port 1)
- ◆ I/O Interface
 - 4 x USB 2.0 signal to baseboard
 - 1 x USB 3.0 signal to baseboard
- ◆ Audio
 - High-definition Audio interface to baseboard
- ◆ GPIO
 - Yes, to baseboard
- ◆ SMBus
 - Yes, to baseboard
- ◆ I²C
 - Yes, to baseboard
- ◆ LPC
 - Yes, to baseboard
- ◆ SPI
 - Yes, to baseboard
- ◆ Internal Storage
 - The device shall have the capacity of at least 2 kbits, and shall have three address inputs. Suitable devices include the Atmel AT24C32C, ST M24C32 and other compatible devices.
- ◆ Serial Port
 - Two serial ports to baseboard (TX & RX from EC)
- ◆ Expansion
 - 3 x PCIe x1 signal to baseboard
- ◆ Watchdog Timer
 - Software programmable, supports 1~255 sec. system reset (from EC)
- ◆ Power Consumption
 - +12V@0.43A, Vcore_12V@0.9A (Intel® Atom™ E3845 CPU, 2GB 1333 MHz DDR3L memory)
- ◆ Operating Temperature
 - 20°C ~ 60°C
 - 40°C ~ 85°C (W2 skus)
- ◆ Storage Temperature
 - 20°C ~ 60°C
 - 40°C ~ 85°C (W2 skus)
- ◆ Operating Humidity
 - 5% ~ 95%, non-condensing
- ◆ Dimensions
 - 84 mm x 55 mm (mini size)
- ◆ Weight
 - GW: 300g / NW: 150g

The one-piece heatsink for COM Express Type 10 provides better thermal solution

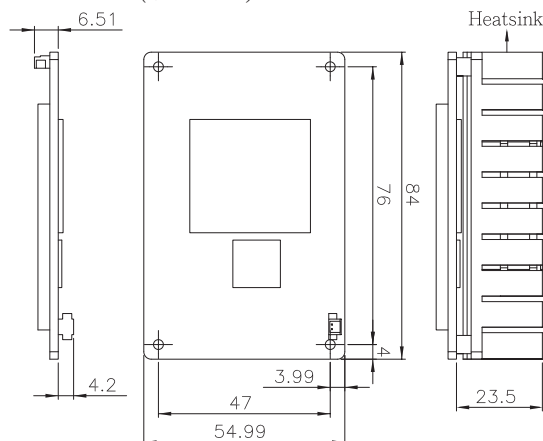
New



Features

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

Dimensions (Unit: mm)



Packing List

1 x ICE-BT-T10 single board computer	1 x QIG (Quick Installation Guide)
1 x Heatsink	1 x Utility CD

Ordering Information

Part No.	Description
ICE-BT-T10-E38451W2-R10	COM Express Basic Type 10 module supports Intel® Atom™ processor E3845 (quad core, 10W), VGA, DDI, GbE, SATA, USB 3.0 and HD Audio, -40°C ~ 85°C and RoHS
ICE-BT-T10-E38251W2-R10	COM Express Basic Type 10 module supports Intel® Atom™ processor E3825 (dual core, 6W), 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™ processor E3845 (quad core, 10W), VGA, DDI, GbE, SATA, USB 3.0 and HD Audio, and RoHS
ICE-BT-T10-E38251-R10	COM Express Basic Type 10 module supports Intel® Atom™ processor E3825 (dual core, 6W), VGA, DDI, GbE, SATA, USB 3.0 and HD Audio, and RoHS
ICE-BT-T10-E38151-R10	COM Express Basic Type 10 module supports Intel® Atom™ processor E3815 (single core, 5W), VGA, DDI, GbE, SATA, USB 3.0 and HD Audio, and RoHS
ICE-DB-T10-R10	Baseboard for COM Express Type 10 module COM.0 Rev. 2.1, supports PICMG EAPI R1.0

Note: Models with other CPUs not listed in the table are requested by MOQ - 100 pcs/lot.