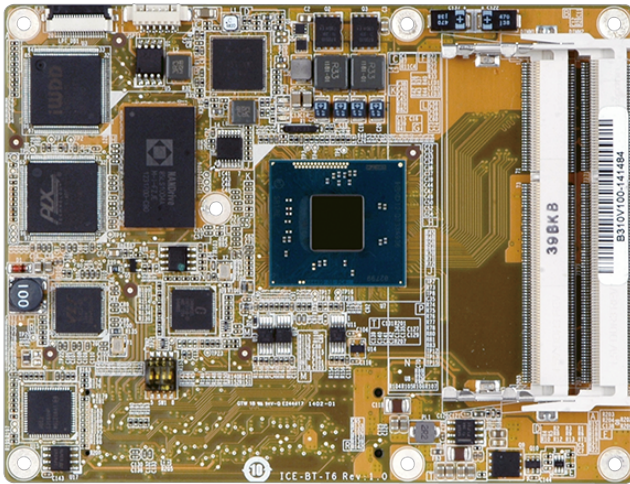


ICE-BT-T6

COM Express Rev 2.1 Basic Type 6 Module, Intel® 4th Generation Atom™ Processor



Features

- » Intel® 22nm Atom™ or Celeron® on-board SoC supported
- » Intel® HD Graphics Gen7 integrates high-performance graphics and media processing
- » Supports 1333/1066 MHz DDR3L (1.35V) memory, up to 8 GB
- » Supports one analog CRT, one 24-bit dual-channel LVDS, and one DDI
- » Optional soldered down 4 GB SSD
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

| | |
|---------------------------------|---|
| System | |
| CPU | 6 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 | Two 204-pin 1066/1333 MHz dual-channel DDR3L SDRAM unbuffered DIMMs |
| Memory Max. | 8GB |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 125 X 95 |
| Net Weight | 200g |
| Storage | |
| Storage | 2 x SATA :signal to basedboard |
| I/O Interface | |
| Display Output | 1 x VGA :up to 2560x1600@60Hz |
| | 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 Ethernet |
| Audio | Description: High Definition Audio interface to baseboard |
| I/O Interface | 7 x Internal USB 2.0 |
| | 4 x Internal USB 3.2 Gen1x1 :signal to baseboard (via 1 to 4 USB 3.1 Gen 1 (5Gb/s) hub) |
| Expansion | 5 x PCIe x1 :signal to baseboard (2 from SoC, 3 from PLX PEX8605 switch IC) |
| Power | |
| Power Consumption | +12V@0.54A, Vcore_12V@0.95A |
| | (Intel® Celeron® J1900 CPU with two 8 GB 1333 MHz DDR3 memory) |
| Environment | |
| Operating Temperature | -20°C ~ 60°C |
| Storage Temperature | -30°C ~ 70°C |
| Humidity | 5% ~ 95%, non-condensing |
| Certifications | |
| Safety & EMC | CE/FCC compliant |

Ordering Information

| | |
|----------------------|---|
| ICE-BT-T6-N29301-R10 | COM Express Basic Type 6 module supports Intel® Celeron® Quad-Core Processor N2930(7.5W), VGA, DDI, LVDS, GbE, SATA, USB 3.0 and HD Audio, RoHS |
| ICE-BT-T6-N28071-R10 | COM Express Basic Type 6 module supports Intel® Celeron® Dual-Core Processor N2807(4.5W), VGA, DDI, LVDS, GbE, SATA, USB 3.0 and HD Audio, RoHS |
| ICE-BT-T6-J19001-R10 | COM Express Basic Type 6 module supports Intel® Celeron® Quad-Core Processor J1900(10W), VGA, DDI, LVDS, GbE, SATA, USB 3.0 and HD Audio, RoHS |

Packing List

| | |
|-------------------------------------|--------------|
| 1 x ICE-BT-T6 single board computer | 1 x Heatsink |
| 1 x QIG | |