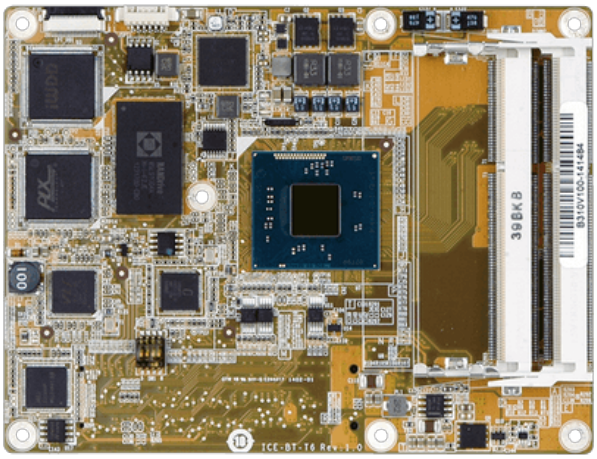
ICE-BT-T6

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 :singnal to basedoard
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	