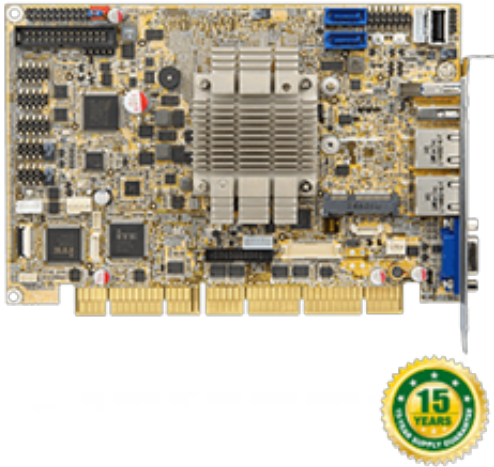


# PCISA-BT

Half-size PCISA CPU Card supports Intel® 22nm Atom™ On-board SoC with VGA



## Features

- » Half-size PCISA CPU card supports Intel® 22nm Atom™ or Celeron® on-board SoC
- » Supports dual LAN by Intel® I211-AT PCIe controllers
- » Supports 1.35 V 1333/1066 MHz DDR3L SDRAM up to 8 GB
- » Supports dual independent display with one analog CRT, iDP and one 24-bit dualchannel LVDS (optional)
- » COM, USB 3.0, SATA 3Gb/s, PCIe Mini, mSATA and HD Audio support
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

System	
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)
Memory	One 204-pin 1333/1066 MHz single-channel DDR3L SDRAM
Memory Max.	8GB
Physical Characteristics	
Dimensions (LxWxH) (mm)	185 X 128
Net Weight	250g
Storage	
Storage	2 x SATA :3Gb/s
	1 x mSATA
	1 x SD/MicroSD card
I/O Interface	
Display Output	1 x VGA :up to 2560x1600@60Hz
	1 x LVDS :18/24-bit dual-channel (up to 1920x1200@60Hz)
	1 x iDP :for HDMI,LVDS,VGA,DVI,DP (up to 2560 X1600@60Hz)
Ethernet	Description: LAN1: Intel® I211-AT PCIe controller
	LAN2: Intel® I211-AT PCIe controller
Audio	1 x Front Audio :2x5 pin
I/O Interface	2 x Internal RS-232 :2x5 pin, p=2.54
	1 x External USB 2.0
	1 x External USB 3.2 Gen1x1
	5 x Internal USB 2.0 :4 X 2x4pin, p=2.54,1 X A type
	1 x PS/2 :1x6 pin
	1 x LPT :2x13 pin
Expansion	1 x PCI Slot signal via golden finger
	1 x ISA Slot signal via golden finger
	1 x PCIe mini Card Slot
Other Features	

TPM	2x10 pin
Power	
Power Consumption	5V@1.55A,12V@0.74A (Intel® Atom™ E3845 1.91GHz CPU with one 8 GB 1333 MHz memory)
Power Supply	5V/12V, Support AT/ATX mode
Environment	
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Certifications	
Safety & EMC	CE/FCC compliant

## Ordering Information

PCISA-BT-E38451-R10	Half-size PCISA CPU card supports Intel® Atom™ E3845 (10W) on-board SoC with VGA, iDP, Dual Intel® PCIe GbE, USB 3.0, PCIe Mini, SATA, mSATA, COM, Audio and RoHS
PCISA-BT-E38251-R10	Half-size PCISA CPU card supports Intel® Atom™ E3825 (6W) on-board SoC with VGA, iDP, Dual Intel® PCIe GbE, USB 3.0, PCIe Mini, SATA, mSATA, COM, Audio and RoHS

## Packing List

1 x PCISA-BT single board computer	1 x SATA cable
1 x QIG	