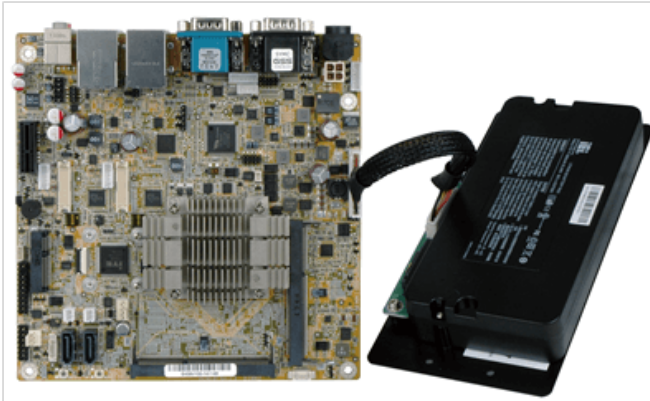


# eKINO-BT

Mini-ITX SBC supports AUPS sub-system, 22nm Intel® Atom™ / Celeron® on-board SoC



## Features

- » Mini ITX supports Intel® 22nm Atom™ or Celeron® on-board SoC
- » Wide-range 9V ~ 26V DC input design
- » Supports dual independent display with dual LVDS and VGA
- » Equipped with AUPS sub-system, acts as a simple UPS system
- » Supports four USB 2.0, two USB 3.0, two SATA and four COM
- » IEI jumper-less function

## 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)
	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 unbuffered DDR3L SDRAM SO-DIMM (J1900, N2930, E3845, E3827, E3826)
	One 204-pin 1066/1333 MHz dual-channel unbuffered DDR3L SDRAM SO-DIMM (E3825, E3815) or 4 GB (N2807)
Memory Max.	8GB
Storage	
Storage	1 x CFast
	1 x SD/MicroSD card
I/O Interface	
Display Output	1 x VGA :up to 2560x1600@60Hz
	2 x LVDS :18/24-bit dual-channel (up to 1920x1200@60Hz)
Ethernet	2 x LAN :Realtek RTL8111E PCIe controller
Audio	Description: Realtek ALC662 HD Audio codec
	1 x Line out :on rear IO
	1 x Mic :on rear IO
I/O Interface	3 x External RS-232
	1 x Internal RS-232 :2x5 pin, p=2.0
	1 x Internal RS-422/485 :1x4 pin, p=2.0

	2 x External USB 2.0
	2 x External USB 3.2 Gen1x1
	2 x Internal USB 2.0 :2x4 pin, p=2.0
	1 x PS/2 :1x6 pin
	1 x DIO :8-bit digital I/O (2x5 pin)
Expansion	1 x PCIe x1
	1 x PCIe mini Card Slot
<b>Other Features</b>	
TPM	2x10 pin
<b>Power</b>	
Power Consumption	+12V@1.55A
	(Intel® Celeron® J1900 CPU with two 4 GB
	1333 MHz DDR3L memory)
Power Supply	1 x External DC power jack (4-pin DIN)
	1 x Internal power connector (2x2 pin)
	Input voltage range: 9V ~ 26V
	Recommended operating input voltage range:
	12V~24V
<b>Environment</b>	
Operating Temperature	0°C ~ 40°C with AUPS sub-system;
	-20°C ~ 60°C without AUPS sub-system;
Storage Temperature	-10°C ~ 50°C with AUPS sub-system
	-30°C ~ 70°C without AUPS sub-system
Humidity	5% ~ 95%, non-condensing
<b>Certifications</b>	
Safety & EMC	CE/FCC compliant

## Ordering Information

EKINO-BT-J19001-R10	Mini-ITX SBC supports AUPS Sub-System, Intel® Celeron® Quad-Core Processor J1900(10W), wide range 9-26VDC input,VGA/ Dual LVDS, SATA, Dual GbE, USB 3.0, Audio, CFAST and RoHS
EKINO-BT-E38XX1-R10	

## Packing List

1 x eKINO-BT single board computer	2 x SATA with 5V output cable kit
1 x I/O shielding	1 x QIG