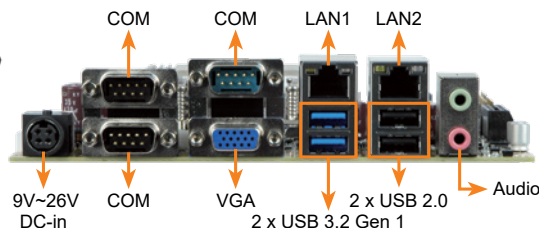
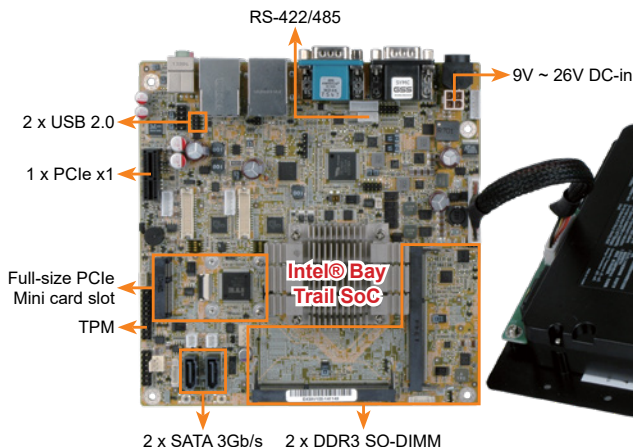


eKINO-BT

Mini-ITX SBC supports AUPS sub-system, 22nm Intel® Atom™/Celeron® on-board SoC, wide-range 9V ~ 26V DC input, VGA/dual LVDS, SATA, dual GbE, USB 3.2 Gen 1 (5Gb/s), audio, CFast and RoHS



Specifications

- ◆ CPU
 - Intel® Atom™/Celeron® on board SoC(Code name: Bay Trail)(Code name: Bay Trail)
 - 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)
- ◆ BIOS
 - UEFI BIOS
- ◆ Memory
 - Two 204-pin 1066/1333 MHz dual-channel unbuffered DDR3L SDRAM SO-DIMM support up to 8 GB (J1900, N2930, E3845, E3827, E3826)
 - One 204-pin 1066/1333 MHz dual-channel unbuffered DDR3L SDRAM SO-DIMM supports up to 8 GB (E3825, E3815) or 4 GB (N2807)
- ◆ Graphics Engine
 - Intel® HD Graphics Gen 7 Engines with 4 execution units, supporting DX11.1, OpenGL 4.2 and OpenCL1.2
- ◆ Display Output
 - 1 x VGA (up to 2560x1600@60Hz)
 - 2 x 18/24-bit dual-channel LVDS (up to 1920x1200@60Hz)
- ◆ External I/O Interface
 - 2 x USB 2.0
 - 2 x USB 3.2 Gen 1 (5Gb/s)
 - 3 x RS-232
- ◆ Internal I/O Interface
 - 1 x CFast slot
 - 1 x KB/MS (1x6 pin)
 - 1 x MicroSD card slot
 - 1 x RS-232 (2x5 pin, P=2.0)
 - 1 x RS-422/485 (1x4 pin, P=2.0)
 - 2 x SATA 3Gb/s with 5V SATA power connector
 - 2 x USB 2.0 (2x4 pin, P=2.0)
- ◆ Ethernet
 - Dual LAN: Realtek RTL8111E PCIe controller
- ◆ TPM
 - 1 x TPM (2x10 pin)
- ◆ SMBus
 - 1 x SMBus (1x4 pin)
- ◆ Front Panel
 - 1 x Front panel (2x7 pin, power LED, HDD LED, speaker, power button, reset button)
- ◆ LAN LED
 - 2 x LAN LED (1x2 pin)
- ◆ Digital I/O
 - 8-bit digital I/O (2x5 pin)
- ◆ Expansion
 - 1 x PCIe x1 slot
 - 1 x Full-size PCIe Mini card slot
- ◆ Audio
 - Realtek ALC888S HD Audio codec
 - 2 x Audio jacks (line-out, mic-in) on rear IO
 - 1 x Front audio (2x5 pin)
- ◆ Watchdog Timer
 - Software programmable supports 1~255 sec. system reset
- ◆ 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
- ◆ Fan Connector
 - 1 x CPU smart fan (1x4 pin)
 - 1 x System fan (1x3 pin)
- ◆ Power Consumption
 - +12V@1.55A (Intel® Celeron® J1900 CPU with two 4 GB 1333 MHz DDR3L memory)
- ◆ 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
- ◆ Operating Humidity
 - 5% ~ 95%, non-condensing
- ◆ Weight
 - GW: 1100g / NW: 400g
- ◆ CE/FCC compliant



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
- Supports four USB 2.0, two USB 3.2 Gen 1 (5Gb/s), two SATA and four COM
- IEI jumper-less function

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

Ordering Information

Part No.	Description
EKINO-BT-J19001-R10	Mini-ITX SBC supports AUPS sub-system, Intel® Celeron® quad-core processor J1900 (10W), wide-range 9V ~ 26V DC input, VGA/dual LVDS, SATA, USB 3.2 Gen 1 (5Gb/s), dual GbE, audio, CFAST and RoHS
EKINO-BT-N29301-R10	Mini-ITX SBC supports AUPS sub-system, Intel® Celeron® quad-core processor N2930 (7.5W), wide-range 9V ~ 26V DC input, VGA/dual LVDS, SATA, USB 3.2 Gen 1 (5Gb/s), dual GbE, audio, CFAST and RoHS
EKINO-BT-N28071-R10	Mini-ITX SBC supports AUPS sub-system, Intel® Celeron® dual-core processor N2807 (4.3W), wide-range 9V ~ 26V DC input, VGA/dual LVDS, SATA, USB 3.2 Gen 1 (5Gb/s), dual GbE, audio, CFAST and RoHS
EKINO-BT-E38XX1-R10**	Mini-ITX SBC supports AUPS sub-system, Intel® Atom™ E38XX on-board SoC, wide-range 9V ~ 26V DC input, VGA/dual LVDS, SATA, dual GbE, USB 3.2 Gen 1 (5Gb/s), audio, CFAST and RoHS (by request MOQ: 100pcs/lot)
19800-000075-RS	PS/2 KB/MS cable with bracket, 220mm, P=2.0
32001-008600-200-RS	Dual-port USB 2.0 cable, 210mm, P=2.0
32205-003800-300-RS	RS-422/485 cable, 200mm, P=2.0
63040-010060-110-RS	60W/12V power adaptor, 90VAC~260VAC, 4-pin DIN
63040-010120-210-RS	120W/19V power adaptor, 90VAC~264VAC, 4-pin DIN
CB-USB02A-RS	Dual-port USB 2.0 cable with bracket, 300mm, P=2.0

**By order production, MOQ: 100