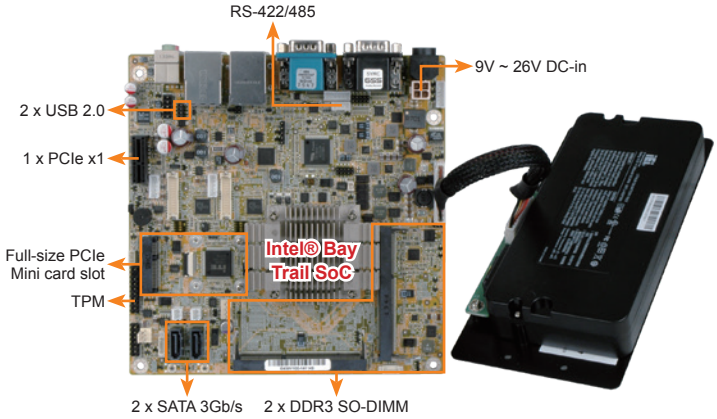
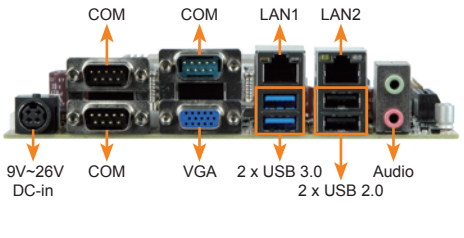
eKINO-BT

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 3.0, audio, CFast and RoHS



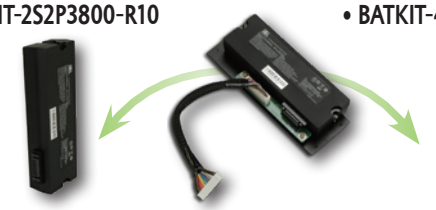






AUPS Battery Kit

- BATKIT-2S2P3800-R10
- BATKIT-4S2P3800-R10



P/N: BAT-LI-2S2P3800
2S2P 7.4V 3800mAh

P/N: BAT-LI-4S2P3800
4S2P 14.8V 3800mAh

Battery Specifications

Battery Model	BAT-LI-2S2P3800	BAT-LI-4S2P3800
Battery type	Li-Ion 2S2P 7.4V	Li-Ion 4S2P 14.8V
Battery capacity	7.4V 3800mAh	14.8V, 3800mAh
Maximum charge voltage	8.4V	16.8V
The end of discharging voltage	5.6V	11.2V
Battery charge time (Power off)	2.5hrs	5hrs
Battery charge time (Power on)	6.5hrs	13hrs
Operating temp.	0°C ~ 40°C	0°C ~ 40°C
Storage temp.	-20°C ~ 60°C	-20°C ~ 60°C
Cycle life	300 charge/discharge cycles	
Backup	60W/10Min	100W/10Min
Safety class	CE	

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

- 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)
- 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 to2560x1600@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 3.0
  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 ALC662 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

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	1 x Utility CD

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, dual GbE, USB 3.0, 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, dual GbE, USB 3.0, 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, dual GbE, USB 3.0, 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 3.0, audio, CFast and RoHS (by request MOQ: 100pcs/lot)
BATKIT-2S2P3800-R10	2S2P 7.4V 3800mAh AUPS battery kit
BAT-LI-2S2P3800	2S2P 7.4V 3800mAh smart battery
BATKIT-4S2P3800-R10	4S2P 14.8V 3800mAh AUPS battery kit
BAT-LI-4S2P3800	4S2P 14.8V 3800mAh smart battery
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 adapter, 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

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