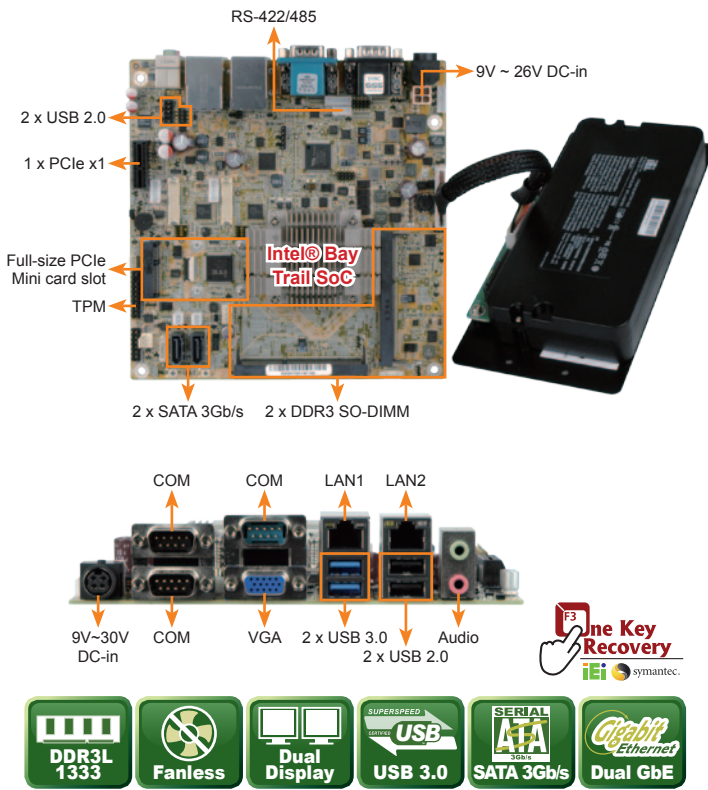


eKINO-BT

Mini-ITX SBC supports AUPS Sub-System, Intel® 22nm Atom™/Celeron® on-board SoC, Wide-range 9V ~ 26V DC input, VGA/ Dual LVDS, SATA, Dual GbE, USB 3.0, Audio, CFast and RoHS



New

Features

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

Packing List

| | |
|--|----------------|
| 1 x eKINO-BT single board computer | |
| 2 x SATA with 5V output cable kit (P/N: 32801-000201-300-RS) | |
| 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 |
| 63000-FSP0601AD101C746-RS | 60W/12V power adaptor, 90VAC~260VAC, 4-pin DIN |
| 63000-FSP120AAB-RS | 120W/19V power adaptor, 90VAC~264VAC, 4-pin DIN |
| 32205-003800-300-RS | RS-422/485 cable |
| 32006-000300-100-RS | PS/2 KB/MS Y-cable without bracket |

** : Those item are by order production, MOQ: 100

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
 - AMI UEFI BIOS
- ◆ Memory
 - Two 204-pin 1066/1333MHz dual-channel unbuffered DDR3L SDRAM SO-DIMM supports up to 8 GB (J1900, N2930, E3845, E3827, E3826) or 4 GB (N2807, E3825, E3815)
- ◆ Graphics Engine
 - Intel® HD Graphics Gen 7 Engines with 4 execution units, supporting DX11.1, OpenGL 4.2 and OpenCL1.2
- ◆ Display Output
 - VGA (up to 2560x1600@60Hz)
 - LVDS1: 18/24-bit dual-channel LVDS by CH7511B DP to LVDS converter (up to 1920x1200@60Hz)
 - LVDS2: 18/24-bit dual-channel LVDS by CH7511B DP to LVDS converter (up to 1920x1200@60Hz)
- ◆ Ethernet
 - Dual LAN: Realtek RTL8111E PCIe controller
- ◆ I/O Interfaces
 - 4 x RS-232 1 x RS-422/485
 - 1 x CFast slot 2 x SATA with 5V output
 - 4 x USB 2.0 (2 on rear IO, 2 by pin header)
 - 2 x USB 3.0 (rear IO)
 - 1 x 6-pin header for KB/MS
- ◆ Super IO
 - F81866D-I
- ◆ TPM
 - 1 x TPM connector (2x10 pin)
- ◆ SMBus
 - 1 x 4-pin wafer
- ◆ I2C
 - 1 x 4-pin wafer
- ◆ microSD
 - 1 x microSD slot (E38XX SKU only)
- ◆ Front Panel
 - 1 x Front panel connector (power LED, HDD LED, speaker, power button, reset button)
- ◆ LAN LED
 - 2 x 2-pin headers for LAN1 Link LED, LAN2 Link LED
- ◆ Digital I/O
 - 8-bit digital I/O (4-bit input, 4-bit output)
- ◆ Expansion
 - 1 x Full-size PCIe Mini card slot (with USB 2.0)
 - 1 x PCIe x1
- ◆ Audio
 - Realtek ALC662 HD codec
 - 2 x Audio jacks (rear I/O)
 - Front audio: 1 x 10-pin header
- ◆ Watchdog Timer
 - Software programmable supports 1~255 sec. system reset by super I/O
- ◆ Power Supply
 - Input voltage range: 9V ~ 26V
 - Recommended operating input voltage range: 12V~24V
 - 1 x External 4-pin DIN DC jack
 - 1 x Internal 4-pin (2x2) power connector
- ◆ Fan Connector
 - 1 x 4-pin smart fan
 - 1 x 3-pin system fan
- ◆ Power Consumption
 - +12V @1.55A (Intel® Celeron® J1900 CPU, 2 x 4GB 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

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 | |