

KINO-ABT-i2

Mini-ITX SBC supports 22nm Intel® Atom™ or Celeron® on-board SoC



Features

- » Mini-ITX SBC supports 22nm Intel® Atom™ or Celeron® on-board SoC
- » 1066/1333 MHz 1.35V DDR3L SDRAM supported up to 8 GB
- » Supports dual independent display with VGA, HDMI™ and iDP
- » COM, USB 3.0, SATA, PCIe Mini, mSATA and HD Audio support
- » Supports IPMI 2.0 via iRIS-2400 module
- » Supports Intel® VT-x technology
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

| | |
|------------------------|----------------------------------------------------------------------------|
| CPU Cooler | |
| CPU Cooler | N/A |
| Display | |
| Display | Dual Independent Display |
| | VGA (up to 2560x1600@60Hz) |
| | HDMI™ (up to 2560x1600@60Hz) |
| | iDP interface for HDMI™, LVDS, VGA, DVI, DP (up to 2560x1600@60Hz) |
| Environment | |
| Humidity | 5% ~ 95%, non-condensing |
| Operating Temperature | -20°C ~ 60°C |
| Expansion Slots | |
| Expansion Slots | 1 x Full-size PCIe Mini card slot (supports mSATA, co-lay SATA port 2) |
| | 1 x PCIe x4 slot (PCIe x1 signal) |
| I/O Interface | |
| Audio | Realtek ALC662 HD Audio codec support 5.1-channel |
| | 3 x Audio jacks (line-out, line-in, mic-in) on rear IO |
| | 1 x Front audio (2x5-pin) |
| Digital I/O | 8-bit digital I/O (2x5 pin) |
| Ethernet | LAN1: Intel® I210-AT PCIe controller with NCSI support (for iRIS solution) |
| | LAN2: Intel® I211-AT PCIe controller |
| I/O Interface | |
| I/O Interface | 3 x Internal RS-232 |
| | 1 x Internal RS-422/485 |
| | 4 x Internal USB 2.0 |
| | 2 x RS-232 |
| | 2 x USB 2.0 |
| | 2 x USB 3.0 |
| Option | |
| iRIS | 1 x iRIS-2400 slot |
| Power | |
| Power consumption | 5V@1.71A, 12V@0.08A, Vcore_12V@0.27A, 3.3V@0.34 |
| | (Intel® Celeron® J1900 CPU with two 4 GB 1333 MHz DDR3 memory) |

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|----------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| System | |
| CPU | Intel® Celeron® J1900 on-board SoC (2GHz, quad-core, 2MB cache, TDP=10W) |
| CPU Socket | On Board |
| Memory Max. | Two 204-pin 1066/1333 MHz dual-channel DDR3L SO-DIMM support up to 8 GB (J1900, N2930, E3845, E3827, E3826) or 4 GB (N2807, E3825, E3815) |
| Storage | 2 x SATA 3Gb/s |
| | 1 x microSD slot (E38xx sku only) |
| Watchdog Timer | |
| Watchdog Timer | ATX power supply |
| | Watchdog Timer: Software programmable, supports 1~255 sec. system reset |

Ordering Information

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|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| KINO-ABT-i2-E38XX1-R10 | |
| KINO-ABT-J19001-ECO-R10 | Mini-ITX SBC supports Intel® 22nm Celeron® J1900 2.0GHz (10W) on-board(10W),VGA/HDMI™/iDP, Dual Intel® PCIe GbE, USB 3.0, SATA, HD Audio, ECO packing and RoHS |
| KINO-ABT-i2-N28071-R10 | Mini-ITX SBC supports Intel® Celeron® Dual-Core Processor N2807(4.5W), VGA/HDMI™/iDP, Dual Intel® PCIe GbE, USB 3.0, SATA, HD Audio, iRIS-2400 and RoHS |
| KINO-ABT-i2-N29301-R10 | Mini-ITX SBC supports Intel® Celeron® Quad-Core Processor N2930(7.5W), VGA/HDMI™/iDP, Dual Intel® PCIe GbE, USB 3.0, SATA, HD Audio, iRIS-2400 and RoHS |
| KINO-ABT-i2-J19001-R10 | Mini-ITX SBC supports Intel® Celeron® Quad-Core Processor J1900(10W), VGA/HDMI™/iDP, Dual Intel® PCIe GbE, USB 3.0, SATA, HD Audio, iRIS-2400 and RoHS |

Packing List

| | |
|---------------------------------------|-------------------------|
| 1 x KINO-ABT-i2 single board computer | 1 x Dual-port USB cable |
| 1 x IO shielding | 1 x SATA cable |
| 1 x QIG | |