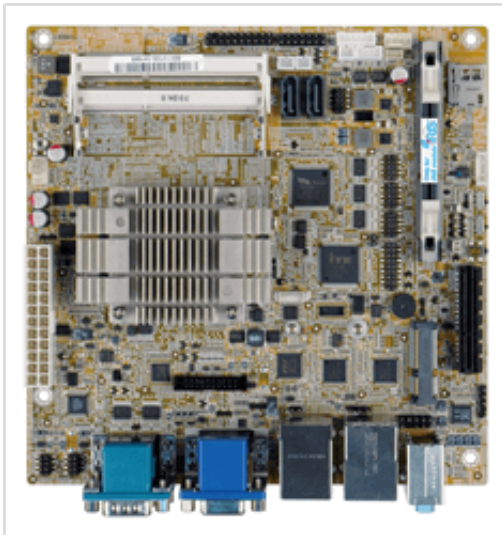


# KINO-ABT-i2

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

|                        |  |
|------------------------|--|
| <b>CPU Cooler</b>      |  |
| CPU Cooler             | N/A  |
| <b>Display</b>         |  |
| 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)         |
| <b>Environment</b>     |  |
| Humidity               | 5% ~ 95%, non-condensing   |
| Operating Temperature  | -20°C ~ 60°C   |
| <b>Expansion Slots</b> |  |
| 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)  |
| <b>I/O Interface</b>   |  |
| 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                                       |
| <b>I/O Interface</b>   |  |
| 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  |
| <b>Option</b>          |  |
| iRIS                   | 1 x iRIS-2400 slot   |
| <b>Power</b>           |  |
| 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)             |

|                |   |
|----------------|---|
| 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

|                         |  |
|-------------------------|--|
| 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                               |                         |