

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)

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	