

# WAFER-BT-i1

3.5" SBC with Intel® 22nm Atom™/Celeron® on-board SoC,



## Features

- » 3.5" SBC supports Intel® 22nm Atom™ on-board SoC
- » Dual independent display support
- » 1333/1066 MHz 1.35V DDR3L SDRAM up to 8 GB
- » COM, USB 3.0, SATA 3Gb/s, PCIe Mini, mSATA and Audio support
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

CPU Cooler	
CPU Cooler	N/A
Display	
Display	Dual display supported
	1 x VGA (Resolution: 2560x1600@60Hz)
	1 x dual channel 24bit LVDS connector (1920x1200@60Hz)
	1 x 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)
I/O Interface	
Audio	Realtek ALC662 HD Audio codec
Digital I/O	8-bit digital I/O (4-bit input / 4-bit output)
Ethernet	LAN1: Intel® I210-AT PCIe controller with NCSI support
	LAN2: Intel® I211-AT PCIe controller
I/O Interface	3 x RS-232
	1 x RS-422/485
	1 x USB 3.0
	5 x USB 2.0
	1 x PS/2 KB/MS
I/O Interface	
I/O Interface	2 x Internal RS-232
	4 x Internal USB 2.0
	3 x RS-232
	1 x RS-422/485
	5 x USB 2.0

	1 x USB 3.0
Option	
iRIS	1 x iRIS-1010 slot
Power	
Power consumption	12V@1.45A (Intel® Celeron® Processor J1900 CPU, with 8GB 1333 MHz DDR3L memory)
Storage	
Storage	2 x SATA 3Gb/s with 5V SATA power connector (no RAID)
System	
Chipset	Intel® Atom™/Celeron® on-board SoC
CPU	Intel® Atom™, Celeron® SoC
Memory Max.	One 204-pin 1066/1333 MHz single-channel DDR3L SO-DIMM slot
	supports up to 8 GB (J1900, N2930, E3845, E3827, E3826) or 4 GB (N2807, E3825, E3815)
Watchdog Timer	
Watchdog Timer	Software programmable and supports 1~255 sec. system reset

## Ordering Information

WAFER-BT-i1-E38XX1-R10	
WAFER-BT-J19001-ECO-R10	Intel® 22nm Quad-Core Celeron™ J1900 2.0GHz on-board SoC with VGA/LVDS/iDP, Dual PCIe GbE, USB 2.0, PCIe Mini, SATA, mSATA, COM, Audio, ECO packing and RoHS
WAFER-BT-i1-N29301-R10	3.5" SBC supports Intel® 22nm Quad-Core Celeron™ N2930 1.86GHz (7.5W) on-board SoC with VGA/LVDS/iDP, Dual PCIe GbE, USB 2.0, PCIe Mini, SATA, mSATA, COM, Audio, iRIS-1010 and RoHS
WAFER-BT-i1-N28071-R10	3.5" SBC supports Intel® 22nm Dual-Core Celeron™ N2807 1.58GHz (4.5W) on-board SoC with VGA/LVDS/iDP, Dual PCIe GbE, USB 2.0, PCIe Mini, SATA, mSATA, COM, Audio, iRIS-1010 and RoHS
WAFER-BT-i1-J19001-R10	3.5" SBC supports Intel® 22nm Quad-Core Celeron™ J1900 2.0GHz on-board SoC with VGA/LVDS/iDP, Dual PCIe GbE, USB 2.0, PCIe Mini, SATA, mSATA, COM, Audio, iRIS-1010 and RoHS

## Packing List

1 x WAFER-BT-i1 single board computer	1 x SATA with power cable kit
1 x Audio cable	1 x Power cable
1 x QIG (Quick Installation Guide)	