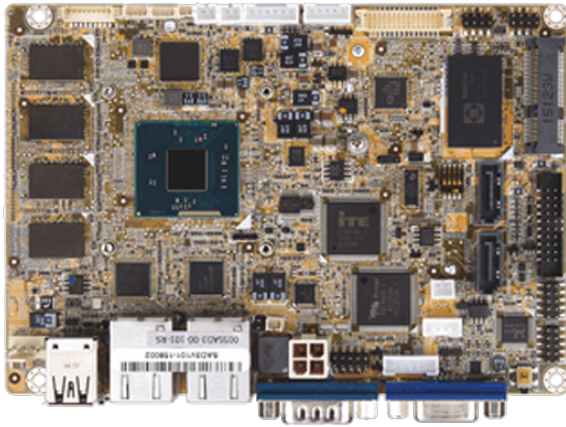


# WAFER-BT-E38001W2

3.5" SBC with Intel® 22nm Atom™ SoC



## Features

- » 3.5" SBC supports Intel® 22nm Atom™ on-board SoC
- » Dual independent display support
- » On-board 2 GB/4 GB 1066/1333 MHz DDR3L memory
- » COM, USB 3.0, SATA 3Gb/s, PCIe Mini, mSATA and Audio support
- » Supports -40°C ~ 85°C
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

System	
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)
Memory	4 GB solder-down 1066/1333 MHz DDR3L memory (for E3845)
	2 GB solder-down 1066/1333 MHz DDR3L memory (for E3825)
Physical Characteristics	
Dimensions (LxWxH) (mm)	146 X 102
Net Weight	250
Storage	
Storage	2 x SATA 3Gb/s(no RAID)
	1 x mSATA :colay SATA port2
	1 x SD/MicroSD card :MicroSD slot
	1 x On-Board SSD :4GB colay SATA port 1(optional)
I/O Interface	
Display Output	1 x VGA :up to 2560x1600@60Hz
	1 x LVDS :18/24-bit dual-channel (up to 1920x1200@60Hz)
	1 x iDP :for HDMI, LVDS, VGA, DVI, DP (up to 2560x1600@60Hz)
Ethernet	2 x LAN :1 x Intel® I210-IT PCIe controller, 1 x Intel® I210-IT PCIe controller
Audio	Description: Realtek ALC662 HD Audio codec
	1 x Front Audio :2x5 pin
I/O Interface	1 x External RS-232
	1 x Internal RS-232 :2x5 pin, P=2.0
	1 x Internal RS-422/485 :1x4 pin, P=2.0
	1 x External USB 2.0
	1 x External USB 3.2 Gen1x1
	4 x Internal USB 2.0 :2x4 pin, P=2.0

	1 x PS/2 :1x6 pin
Expansion	2 x PCIe mini Card Slot
<b>Power</b>	
Power Consumption	12V@1.32A (Intel® Atom™ processor E3845 with on-board 2 GB 1333 MHz DDR3L memory)
Power Supply	12 V only DC input, 1 x internal power connector(2 x 2 pin),support AT/ATX mode
<b>Environment</b>	
Operating Temperature	-40°C ~ 85°C
Storage Temperature	-40°C ~ 85°C
Humidity	5% ~ 95%, non-condensing
<b>Certifications</b>	
Safety & EMC	CE/FCC compliant

## Ordering Information

WAFER-BT-E38451W2-R10	3.5" SBC with Intel 22nm Atom quad-core E3845 1.91GHz (10W) on-board SoC support -40°C ~ 85°C, 4GB DDR3 memory on board, VGA/LVDS/iDP, Dual PCIe GbE, USB 3.0, PCIe Mini, SATA 3Gb/s, mSATA, COM, Audio and RoHS
WAFER-BT-E38271W2-R10	3.5" SBC with Intel 22nm Atom dual-core E3827 1.75GHz (8W) on-board SoC support -40°C ~ 85°C, 2GB DDR3 memory on board, VGA/LVDS/iDP, Dual PCIe GbE, USB 3.0, PCIe Mini, SATA 3Gb/s, mSATA, COM, Audio and RoHS
WAFER-BT-E38261W2-R10	3.5" SBC with Intel 22nm Atom dual-core E3826 1.46GHz (7W) on-board SoC support -40°C ~ 85°C, 2GB DDR3 memory on board, VGA/LVDS/iDP, Dual PCIe GbE, USB 3.0, PCIe Mini, SATA 3Gb/s, mSATA, COM, Audio and RoHS
WAFER-BT-E38251W2-R10	3.5" SBC with Intel 22nm Atom dual-core E3825 1.33GHz (6W) on-board SoC support -40°C ~ 85°C, 2GB DDR3 memory on board, VGA/LVDS/iDP, Dual PCIe GbE, USB 3.0, PCIe Mini, SATA 3Gb/s, mSATA, COM, Audio and RoHS
WAFER-BT-E38151W2-R10	3.5" SBC with Intel 22nm Atom single-core E3815 1.46GHz (5W) on-board SoC support -40°C ~ 85°C, 2GB DDR3 memory on board, VGA/LVDS/iDP, Dual PCIe GbE, USB 3.0, PCIe Mini, SATA 3Gb/s, mSATA, COM, Audio and RoHS

## Packing List

1 x WAFER-BT single board computer	1 x QIG (Quick Installation Guide)
1 x Power cable	