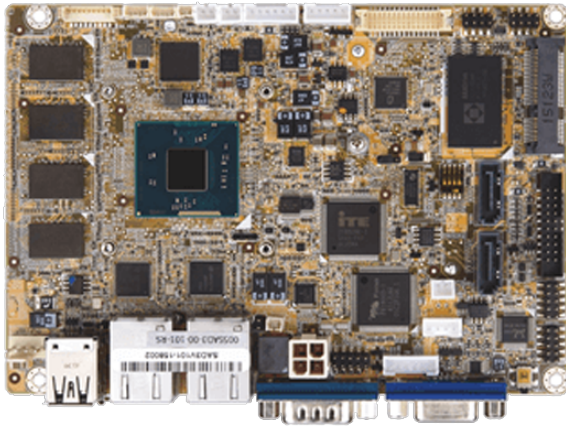


WAFER-BT-E38001W2

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 |
| Power | |
| 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 |
| Environment | |
| Operating Temperature | -40°C ~ 85°C |
| Storage Temperature | -40°C ~ 85°C |
| Humidity | 5% ~ 95%, non-condensing |
| Certifications | |
| 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 | |