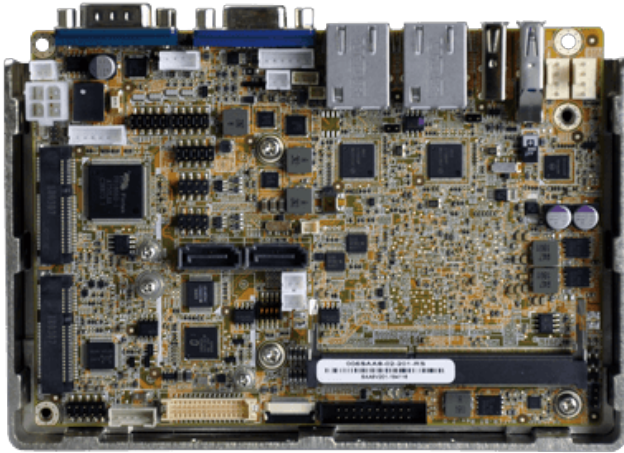


WAFER-BT

3.5" SBC with Intel® 22nm Atom™/Celeron® on-board SoC, VGA/LVDS/iDP, Dual PCIe GbE, USB 3.2 Gen 1 (5Gb/s), PCIe Mini, SATA 3Gb/s, mSATA, COM, Audio and RoHS



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

| System | |
|--------------------------|--|
| CPU | Intel® Atom™ E3845 on-board SoC (1.91GHz, quad-core, 2MB cache, TDP=10W) 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) Intel® Celeron® J1900 on-board SoC (2GHz, quad-core, 2MB cache, TDP=10W) Intel® Celeron® N2930 on-board SoC (1.83GHz, quad-core, 2MB cache, TDP=7.5W) Intel® Celeron® N2807 on-board SoC (1.58GHz, dual-core, 2MB cache, TDP=4.3W) |
| Memory | One 204-pin 1066/1333 MHz single-channel DDR3L SO-DIMM |
| Memory Max. | 8 GB (J1900, N2930, E3845, E3827, E3826, E3825, E3815), 4 GB (N2807) |
| Physical Characteristics | |
| Dimensions (LxWxH) (mm) | 146 X 102 |
| Net Weight | 250 |
| Storage | |
| Storage | 2 x SATA :3Gb/s with 5V SATA power connector |
| I/O Interface | |
| Display Output | 1 x VGA :up to 2560x1600@60Hz 1 x LVDS :24-bit dual-channel LVDS connector (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-AT PCIe controller with NCSI support, 1 x Intel® I211-AT PCIe controller |
| Audio | Description: Realtek ALC662 HD codec 1 x Front Audio :2x5 pin |
| I/O Interface | 2 x Internal RS-232 :2x5 pin, P=2.0 1 x Internal RS-422/485 :1x4 pin, P=2.0 4 x Internal USB 2.0 :2x4 pin, P=2.0 1 x PS/2 :1x6 pin |
| Expansion | 2 x PCIe mini Card Slot :1 x Support mSATA colay with SATA port 2, 1 x except for ECO sku |
| Power | |
| Power Consumption | 12V@1.45A (Intel® Celeron® J1900 with one 8 GB 1333 MHz DDR3 memory) |
| Power Supply | 12V only DC input, 1 x internal power connector(2 x 2 pin), Support AT/ATX mode |
| Environment | |
| Operating Temperature | -20°C ~ 60°C |
| Storage Temperature | -30°C ~ 70°C |

| | |
|----------------|--------------------------|
| Humidity | 5% ~ 95%, non-condensing |
| Certifications | |
| Safety & EMC | CE/FCC compliant |

Ordering Information

| | |
|-------------------------|--|
| WAFER-BT-N29301-R20 | 3.5" SBC supports Intel® 22nm Quad-Core Celeron™ N2920 1.86GHz (7.5W) on-board SoC with VGA/LVDS/iDP, Dual PCIe GbE, USB 2.0, PCIe Mini, SATA 6Gb/s, mSATA , COM, Audio and RoHS |
| WAFER-BT-N28071-R20 | 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 6Gb/s, mSATA , COM, Audio and RoHS |
| WAFER-BT-J19001-R20 | 3.5" SBC supports Intel® 22nm Quad-Core Celeron™ J1900 2.0GHz (10W)on-board SoC with VGA/LVDS/iDP, Dual PCIe GbE, USB 2.0, PCIe Mini, SATA 6Gb/s, mSATA , COM, Audio and RoHS |
| WAFER-BT-J19001-ECO-R20 | 3.5" SBC supports Intel® 22nm Quad-Core Celeron™ J1900 2.0GHz (10W)on-board SoC with VGA/LVDS/iDP, Dual PCIe GbE, USB 2.0, PCIe Mini, SATA 6Gb/s, mSATA , COM, Audio, ECO packing and RoHS |

Packing List

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