WSB-BT

Full-size PICMG 1.0 CPU Card supports Intel® Celeron™ on-board SoC with VGA, IDP, Dual Intel® PCIe GbE, USB 3.0, PCIe Mini, SATA, mSATA, COM, CF, Audio and RoHS

Features
- Full-size PICMG 1.0 with Intel® Celeron™ J1900 & N2807 on-board SoC
- Dual-channel 1066/1333MHz DDR3L SO-DIMM supports up to 8GB of memory
- Dual Gigabit Ethernet LAN controller
- SATA 3Gb/s, USB 3.0 5Gb/s, PCIe Mini, mSATA and CF card supported
- TPM v1.2 & 2.0 hardware security function supported by TPM module
- Stiffener bars

Specifications
- CPU
  - Intel® Celeron® J1900 on-board SoC (2GHz, quad-core, 2MB cache, TDP=10W)
  - Intel® Celeron® N2807 on-board SoC (1.58GHz, dual-core, 2MB cache, TDP=4.3W)
- Memory
  - One 204-pin 1333/1066MHz dual-channel DDR3L SDRAM unbuffered DIMM supports up to 8GB (J1900) or 4GB (N2807)
- BIOS
  - AMI UEFI BIOS
- Graphics
  - Intel® HD Graphics Gen 7 Engines with 4 execution units, supports DX11.1, OpenGL 4.2 and OpenGL 1.2
- Display Output
  - 1 x VGA (up to 1920x1200@60Hz)
  - 1 x 18/24-bit dual-channel LVDS (up to 1920x1200@60Hz)
  - 1 x IDP interface for HDMI, LVDS, VGA, DVI, DP (up to 2560x1600@60Hz)
- Ethernet
  - LAN1: Intel® I211-AT PCIe controller
  - LAN2: Intel® I211-AT PCIe controller
- External I/O
  - 1 x USB 3.0
  - 1 x USB 2.0
- Internal I/O
  - 1 x CF Type II
  - 1 x KB/MS (1x13 pin)
  - 1 x LPT (2x13 pin)
  - 1 x mSATA (SATA 3Gb/s)
  - 1 x USB 2.0 (180º Type-A)
- Front Panel
  - 1 x Front panel (Power LED, HDD LED, Speaker, Power Button, Reset Button)
- Digital I/O
  - 8-bit digital I/O (2x5 pin)
- Audio
  - 7.1 channel HD Audio supported by IEI AC-KIT-892HD kit
- SMBus
  - 1 x SMBus (1x4 pin)
  - 1 x PC (1x4 pin)
- Expansion
  - 1 x Full/Half-size PCIe Mini card slot
  - PCI and ISA signal via golden finger
- Watchdog Timer
  - Software programmable supports 1~255 sec. system reset
- Fan Connector
  - 1 x CPU smart fan (1x4 pin)
  - 1 x System smart fan (1x3 pin)
- Power Supply
  - 5V/12V, AT/ATX support
- Operating Temperature
  - -20°C ~ 60°C
- Storage Temperature
  - -30°C ~ 70°C
- Operating Humidity
  - 5% ~ 95%, non-condensing
- Dimensions
  - 338 mm x 122 mm
- Weight
  - GW: 1000g / NW: 260g
- CE/FCC compliant

Ordering Information

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WSB-BT-J19001-R10</td>
<td>Full-size PICMG 1.0 CPU card supports Intel® Celeron™ J1900 on-board SoC with VGA, IDP, Dual Intel® PCIe GbE, USB 3.0, PCIe Mini, SATA, mSATA, COM, CF, Audio and RoHS</td>
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<tr>
<td>WSB-BT-N28071-R10</td>
<td>Full-size PICMG 1.0 CPU card supports Intel® Celeron™ N2807 on-board SoC with VGA, IDP, Dual Intel® PCIe GbE, USB 3.0, PCIe Mini, SATA, mSATA, COM, CF, Audio and RoHS</td>
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<tr>
<td>19800-000049-RS</td>
<td>LPT flat cable, 240mm, P=2.54</td>
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<tr>
<td>19800-000075-RS</td>
<td>PS/2 KB/MS cable with bracket, 220mm, P=2.0</td>
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<tr>
<td>32102-000100-200-RS</td>
<td>SATA power cable, MOLEX 5264-4P to SATA15P</td>
</tr>
<tr>
<td>DP-DP-R10</td>
<td>DisplayPort to DisplayPort converter board (for IEI IDP connector)</td>
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<tr>
<td>DP-DVI-R10</td>
<td>DisplayPort to DVI-D converter board (for IEI IDP connector)</td>
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<tr>
<td>DP-HDMI-R10</td>
<td>DisplayPort to HDMI converter board (for IEI IDP connector)</td>
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<tr>
<td>DP-LVDS-R10</td>
<td>DisplayPort to LVDS converter board (for IEI IDP connector)</td>
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<tr>
<td>DP-VGA-R10</td>
<td>DisplayPort to VGA converter board (for IEI IDP connector)</td>
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<tr>
<td>AC-KIT-892HD-R10</td>
<td>7.1 channel HD Audio kit with Realtek ALC892 support dual audio stream</td>
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<tr>
<td>TPM-IN01-R20</td>
<td>20-pin Infineon TPM1.2 module, software management tool, firmware v3.17</td>
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<tr>
<td>TPM-IN02-R20</td>
<td>20-pin Infineon TPM2.0 module, software management tool, firmware v5.5</td>
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</table>

Packing List

1 x WSB-BT single board computer
1 x Dual RS-232 cable with bracket
1 x SATA cable
1 x QIG