

# 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

|                          |   |
|--------------------------|---|
| System                   |   |
| 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               |
| Memory Max.              | 8GB (J1900) / 4GB (N2807)   |
| Physical Characteristics |   |
| Dimensions (LxWxH) (mm)  | 338 X 122   |
| Net Weight               | 260   |
| Storage                  |   |
| Storage                  | 2 x SATA :3Gb/s   |
|                          | 1 x mSATA :3Gb/s  |
|                          | 1 x CF Type II Card   |
| I/O Interface            |   |
| Display Output           | 1 x VGA :up to 1920x1200@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® I211-AT PCIe controller, 1 x Intel® I211-AT PCIe controller |
| Audio                    | Description: 7.1 channel HD Audio supported by IEI AC-KIT-892HD kit             |
| I/O Interface            | 4 x Internal RS-232 :2x5 pin, P=2.54  |
|                          | 2 x Internal RS-232/422/485 :2x5 pin, P=2.54                                    |
|                          | 1 x External USB 2.0  |
|                          | 1 x External USB 3.2 Gen1x1   |
|                          | 5 x Internal USB 2.0 :1 x 180° Type-A, 4 X 2x4 pin, P=2.54                      |
|                          | 1 x PS/2 :1x6 pin   |
|                          | 1 x LPT :2x13 pin   |
| Expansion                | 1 x PCIe mini Card Slot   |
| Other Features           |   |
| TPM                      | 2x10 pin  |
| Power                    |   |
| Power Consumption        | 3.3V@0.009A, 5V@4.68A, 5Vsb@0.008A, 12V@1.143A                                  |
|                          | (Intel® Celeron® J1900 1.99 GHz 10W CPU with 8GB 1600MHz DDR3L memory)          |
| Power Supply             | 5V/12V, 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

|                   |  |
|-------------------|--|
| WSB-BT-N28071-R10 | 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 |
| WSB-BT-J19001-R10 | 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 |

## Packing List

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