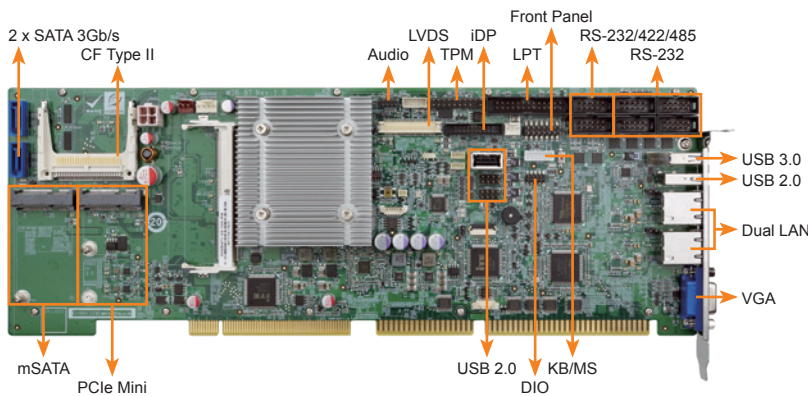


# WSB-BT

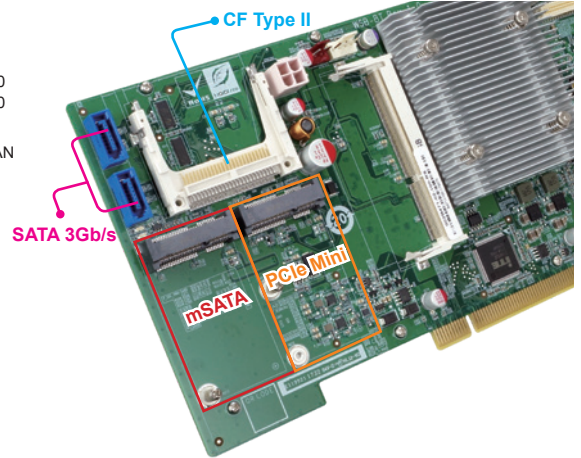
Full-size PICMG 1.0 CPU Card supports Intel® Celeron™ on-board SoC with VGA, iDP, Dual Intel® PCIe GbE, USB 3.0, PCIe Mini, SATA, mSATA, COM, CF, Audio and RoHS



**New**



## Multiple Choice for Storage



## 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 OpenCL1.2
- ◆ 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 (1x6 pin)
  - 1 x LPT (2x13 pin)
  - 1 x mSATA (SATA 3Gb/s)
  - 1 x USB 2.0 (180° Type-A)
  - 2 x RS-232/422/485 (2x5 pin, P=2.54)
  - 2 x SATA 3Gb/s
  - 4 x RS-232 (2x5 pin, P=2.54)
  - 4 x USB 2.0 (2x4 pin, P=2.54)
- ◆ 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)
- ◆ TPM
  - 1 x TPM (2x10 pin)
- ◆ Audio
  - 7.1 channel HD Audio supported by IEI AC-KIT-892HD kit
- ◆ SMBus
  - 1 x SMBus (1x4 pin)
- ◆ I<sup>2</sup>C
  - 1 x I<sup>2</sup>C (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

## 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

## Packing List

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

## Ordering Information

Part No.	Description
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
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
19800-000049-RS	LPT flat cable, 240mm, P=2.54
19800-000075-RS	PS/2 KB/MS cable with bracket, 220mm, P=2.0
32102-000100-200-RS	SATA power cable, MOLEX 5264-4P to SATA15P
DP-DP-R10	DisplayPort to DisplayPort converter board (for IEI iDP connector)
DP-DVI-R10	DisplayPort to DVI-D converter board (for IEI iDP connector)
DP-HDMI-R10	DisplayPort to HDMI converter board (for IEI iDP connector)
DP-LVDS-R10	DisplayPort to LVDS converter board (for IEI iDP connector)
DP-VGA-R10	DisplayPort to VGA converter board (for IEI iDP connector)
AC-KIT-892HD-R10	7.1 channel HD Audio kit with Realtek ALC892 support dual audio stream
TPM-IN01-R20	20-pin Infineon TPM1.2 module, software management tool, firmware v3.17
TPM-IN02-R20	20-pin Infineon TPM2.0 module, software management tool, firmware v5.5