

# 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