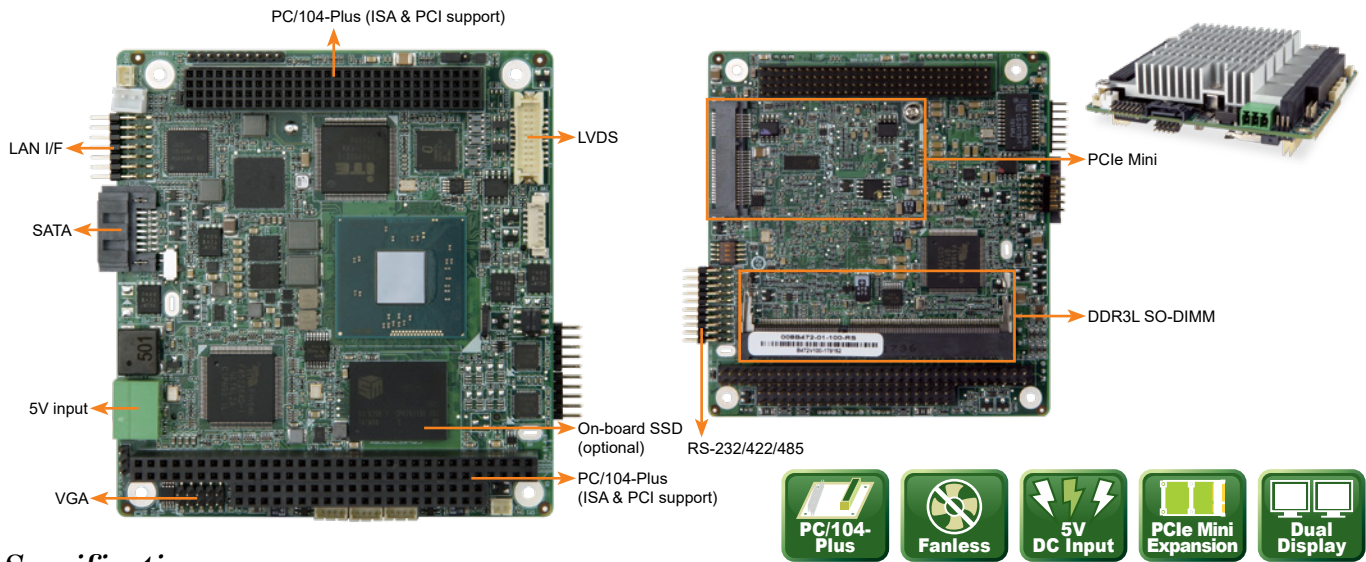


# PM-BT

PC/104-Plus SBC with Intel® Atom™/Celeron® on-board SoC with DDR3L, VGA, LVDS, GbE, USB 2.0, SATA 3Gb/s, RS-232/422/485 and 5V DC input, RoHS



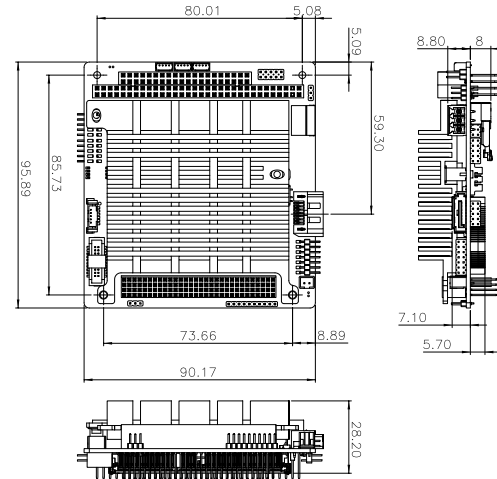
## Specifications

- ◆ SoC  
Intel® Celeron® J1900 on-board SoC (2GHz, quad-core, 2MB cache, TDP=10W)
- ◆ BIOS  
AMI UEFI BIOS
- ◆ Memory  
One 204-pin 1333/1066 MHz single-channel DDR3L SO-DIMM supports up to 8 GB
- ◆ Graphics Engine  
Intel® HD Graphics Gen 7 Engine with four execution units, supporting DX11.1, OpenGL 4.2 and OpenCL 1.2
- ◆ Display Output  
Dual independent display  
1 x VGA (up to 2560x1600@60 Hz)  
1 x 18/24-bit single-channel LVDS (2x10 pin)
- ◆ Ethernet  
1 x Intel® I210
- ◆ Super I/O  
Fintek F81866
- ◆ Internal I/O Interface  
1 x SATA 3Gb/s with 5V SATA power connector  
3 x USB 2.0 (1x4 pin, P=1.25)  
2 x RS-232/422/485 (2x5, P=2.0)
- ◆ Storage  
On-board SSD (optional, support by request)
- ◆ Front Panel  
1 x 10-pin header, P=2.0 (power LED, HDD LED, power button and reset button)
- ◆ Expansion  
1 x Full-size PCIe Mini slot (supports mSATA)  
1 x PC/104-Plus (ISA+PCI)\*
- ◆ Digital I/O  
1 x 8-bit digital I/O (2x5 pin, P=2.0)
- ◆ Power Supply  
5V DC input  
12V for fan, LVDS and PCI-104 plus  
» 5V for PCI-104 plus (1x3 pin, P=2.0)  
» 12V for PCI-104 plus (1x3 pin, P=2.0)  
3/5V jumper for PCI-104 plus  
Support AT/ATX mode  
ErP/EuP Compliant
- ◆ Power Consumption  
5V@1.70A (Intel® Celeron® J1900 CPU with 8GB memory)
- ◆ Watchdog Timer  
Software programmable, supports 1~255 sec. system reset
- ◆ Operating Temperature  
-20°C ~ 60°C
- ◆ Storage Temperature  
-40°C ~ 85°C
- ◆ Thermal  
Heatsink
- ◆ Operating Humidity  
5% ~ 95%, non-condensing
- ◆ Dimensions  
96 mm x 90 mm
- ◆ Weight  
GW: 500g / NW 120g
- ◆ CE/FCC compliant

## Features

- PC/104 form factor SBC supports 22nm Intel® Atom™ on-board SoC
- PC/104-Plus (ISA and PCI signal) function support
- 5V DC input solution
- Support 2 COM, PCIe Mini, USB and optional on-board SSD
- Dual display from VGA and LVDS

## Dimensions (Unit: mm)



## Packing List

1 x PM-BT single board computer	
1 x COM port cable	1 x SATA cable kit
1 x Heatsink	1 x Single-port USB cable
1 x LAN cable	1 x VGA cable

## Ordering Information

Part No.	Description
PM-BT-J19001-R10	PC/104-Plus single board computer with Intel® Celeron® J1900 SoC with DDR3L, VGA, LVDS, USB 2.0, SATA 3Gb/s, GbE, RS-232/422/485 and 5V DC input, RoHS
33403-000015-RS	PC104 plus spacer (for PCI) 120 pin socket connector
33403-000016-RS	PC104 plus spacer (for ISA) 64+40 pin socket connector