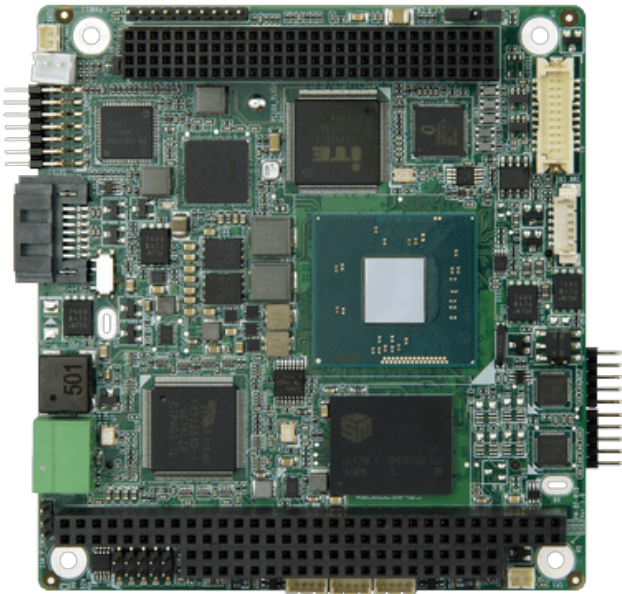


# PM-BT

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



## 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
- » Wide range temperature support from -40°C ~ 85°C (for E38xx series CPU)
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

System	
CPU	Intel® Atom™ E3845 on-board SoC (1.91GHz, quad-core, 2MB cache, TDP=10W)
	Intel® Atom™ E3825 on-board SoC (1.33GHz, dual-core, 1MB cache, TDP=6W)
	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 1333/1066 MHz single-channel DDR3L SO-DIMM
Memory Max.	8 GB
	(J1900, N2930, E3845, E3827, E3826, E3825, E3815) or 4 GB (N2807)
Physical Characteristics	
Dimensions (LxWxH) (mm)	96 X 90
Net Weight	120
Storage	
Storage	1 x 2.5" SSD/HDD Bay On-board (optional, support by request)
I/O Interface	
Display Output	1 x VGA :up to 2560x1600@60Hz
	1 x LVDS :18/24-bit single-channel (2x10 pin)
Ethernet	Description: 1 x Intel® I210
Power	
Power Consumption	5V@1.70A (Intel® Celeron® J1900 CPU with 8GB memory )
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
Environment	
Operating Temperature	-20°C ~ 60°C (for J1900/N2930/N2807);
	-40°C ~ 85°C (for E38xx);

Storage Temperature	-40°C ~ 85°C
Humidity	5% ~ 95%, non-condensing
Compatible Model	
Motherboard	CE/FCC

## Ordering Information

PM-BT-N28071-R10	PC/104-Plus Single Board Computer with Intel® Atom™ N2807 SoC with DDR3L, VGA, LVDS, GbE, USB2.0, SATA 3Gb/s, RS-232/422/485 and 5V DC input, RoHS
PM-BT-J19001-R10	PC/104-Plus Single Board Computer with Intel® Atom™ J1900 SoC with DDR3L, VGA, LVDS, GbE, USB2.0, SATA 3Gb/s, RS-232/422/485 and 5V DC input, RoHS

## Packing List

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