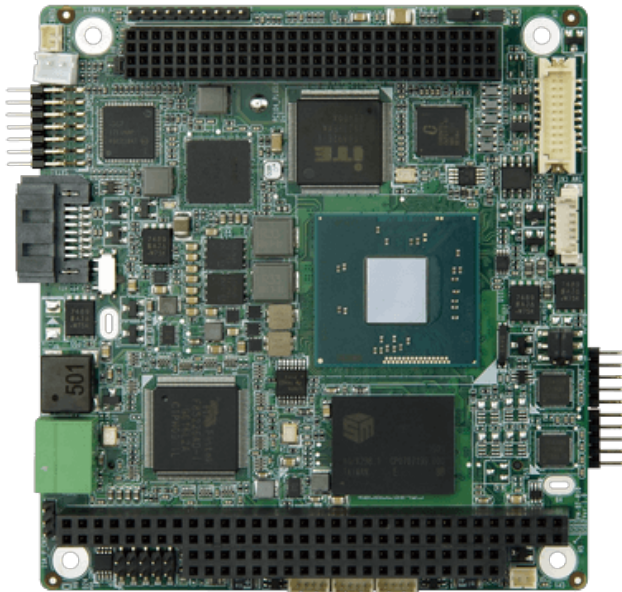


# PM-BT

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             |