

# HYPER-BT

Pico-ITX SBC supports Intel® 22nm Atom™/Celeron® on-board SoC



## Features

- » Pico-ITX SBC supports Intel® 22nm Atom™ or Celeron® on-board SoC
- » 12V only single voltage design for AT/ATX power by DC power jack
- » VGA and iDP support dual display
- » 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™ E3827 on-board SoC (1.75GHz, dual-core, 1MB cache, TDP=8W)      |
|                          | Intel® Atom™ E3826 on-board SoC (1.46GHz, dual-core, 1MB cache, TDP=7W)      |
|                          | Intel® Atom™ E3825 on-board SoC (1.33GHz, dual-core, 1MB cache, TDP=6W)      |
|                          | Intel® Atom™ E3815 on-board SoC (1.46GHz, dual-core, 1MB cache, TDP=5W)      |
|                          | Intel® Celeron® J1900 on-board SoC (2GHz, quad-core, 2MB cache, TDP=10W)     |
|                          | Intel® Celeron® N2930 on-board SoC (1.83GHz, quad-core, 2MB cache, TDP=7.5W) |
|                          | Intel® Celeron® N2807 on-board SoC (1.58GHz, dual-core, 2MB cache, TDP=4.3W) |
| Memory                   | One 204-pin 1066/1333 MHz single-channel DDR3L SO-DIMM                       |
| Memory Max.              | 8 GB   |
|                          | (J1900, N2930, E3845, E3827, E3826) or 4 GB (N2807, E3825, E3815)            |
| Physical Characteristics |  |
| Dimensions (LxWxH) (mm)  | 100 X 72   |
| Net Weight               | 250g   |
| Storage                  |  |
| Storage                  | 1 x SATA :3Gb/s with 5V power connector                                      |
| I/O Interface            |  |
| Display Output           | 1 x VGA :up to 2560x1600@60Hz  |
|                          | 1 x iDP :interface for HDMI™, LVDS, VGA, DVI, DP (up to 2560x1600@60Hz)      |
| Ethernet                 | Description: :Intel® I211-AT PCIe controller                                 |
| Audio                    | Description: Realtek ALC662 HD codec supports 5.1-channel                    |
| I/O Interface            | 1 x Internal RS-232 :2x5 pin, p=2.0  |
|                          | 1 x External USB 2.0   |
|                          | 1 x External USB 3.2 Gen1x1  |
|                          | 2 x Internal USB 2.0 :2x4 pin, p=2.0   |
| Power                    |  |
| Power Consumption        | 12V@1.35A (Intel® Celeron® J1900 with one 4 GB 1333 MHz DDR3 memory)         |
| Power Supply             | 12V only DC input  |

|                       |                                      |
|-----------------------|--------------------------------------|
|                       | 1 x External DC power jack (ø5.5 mm) |
|                       | Support AT/ATX mode                  |
| <b>Environment</b>    |                                      |
| Operating Temperature | -20°C ~ 60°C                         |
| Storage Temperature   | -30°C ~ 70°C                         |
| Humidity              | 5% ~ 95%, non-condensing             |
| <b>Certifications</b> |                                      |
| Safety & EMC          | CE/FCC compliant                     |

## Ordering Information

|                      |   |
|----------------------|---|
| HYPERS-BT-N29301-R10 | PICO-ITX SBC supports Intel® 22nm Quad-Core Celeron™ N2930 1.86GHz (7.5W) on-board SoC with DDR3L, iDP/VGA, GbE, USB 2.0, SATA, Audio and RoHS      |
| HYPERS-BT-N28071-R10 | PICO-ITX SBC supports Intel® 22nm Dual-Core Celeron™ N2807 1.58GHz (4.5W) on-board SoC with DDR3L, iDP/VGA, GbE, USB 2.0, SATA, Audio and RoHS      |
| HYPERS-BT-J19001-R10 | PICO-ITX SBC supports Intel® 22nm Quad-Core Celeron™ J1900 2.0GHz on-board SoC with DDR3L, iDP/VGA, GbE, USB 2.0, SATA, Audio and RoHS              |
| HYPERS-BT-E38XX1-R10 | PICO-ITX SBC supports Intel® Atom™ E38XX on-board SoC with DDR3L, VGA/iDP, GbE, USB 2.0, SATA 3Gb/s, Audio and RoHS **By order production, MOQ: 100 |

## Packing List

|                                     |                 |
|-------------------------------------|-----------------|
| 1 x HYPERS-BT single board computer | 1 x Audio cable |
| 1 x RS-232 cable                    | 1 x QIG         |
| 1 x SATA with 5V output cable kit   |                 |