

# 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

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