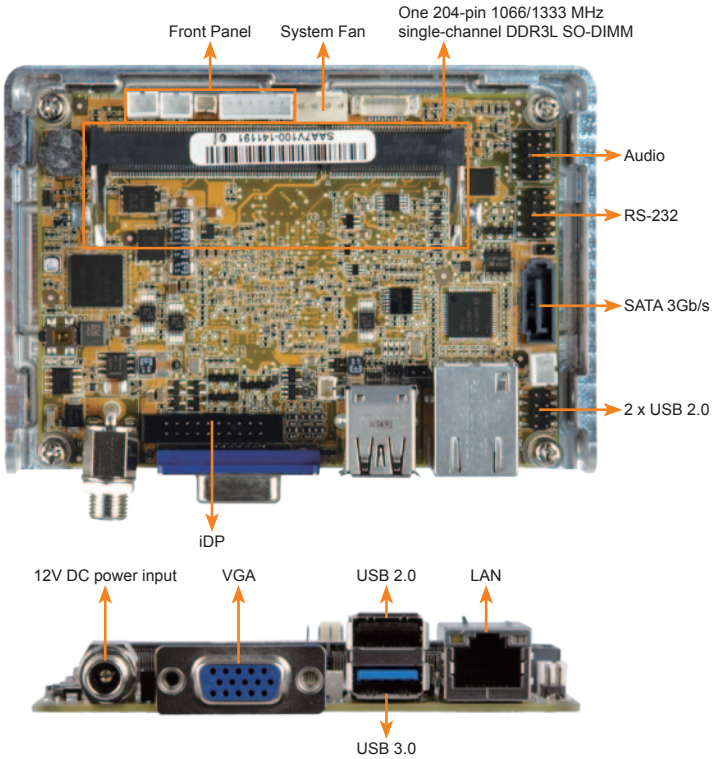
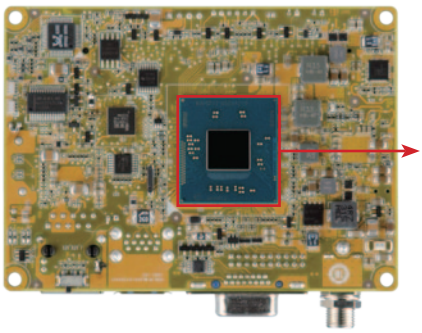
HYPER-BT

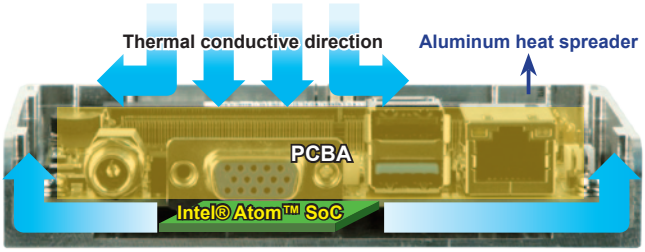
PICO-ITX SBC supports Intel® 22nm Atom™/Celeron® on-board SoC, DDR3L, VGA/iDP, GbE, USB 3.0, SATA 3Gb/s, HD Audio and RoHS



New



You can attach aluminum heat spreader directly to your construction for better heat dissipation



Specifications

- SoC
  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)
- BIOS
  AMI UEFI BIOS
- Memory
  One 204-pin 1066/1333 MHz single-channel DDR3L SO-DIMM supports up to 8GB (J1900, N2930, E3845, E3827, E3826) or 4GB (N2807, E3825, E3815)
- Graphics
  Intel® HD Graphics Gen 7 Engines with 4 execution units, supporting DX11.1 OpenGL 4.2 and OpenCL 1.2
- Display Output
  Dual independent display
  1 x VGA (up to 2560x1600@60Hz)
  1 x iDP interface for HDMI, LVDS, VGA, DVI, DP (up to 3840x2160@60Hz)
- Ethernet
  LAN: Intel® I211-AT PCIe controller
- Super IO
  Fintek F81866
- I/O Interfaces
  2 x RS-232 (by pin header)
  1 x USB 3.0 (on rear I/O)
  1 x SATA 3Gb/s with 5V SATA power connector
  3 x USB 2.0 (1 on rear I/O, 2 by pin header)
- Audio
  Realtek ALC662 HD codec supports 5.1 channel
- Front Panel
  1 x 6-pin (1x6) wafer for power LED & HDD LED
  1 x 2-pin (1x2) wafer for power button
  1 x 2-pin (1x2) wafer for power reset button
- LAN LED
  1 x 2-pin (1x2) header
- Fan Connector: 1 x 4-pin system fan connector
- Watchdog Timer: Software programmable, support 1~255 sec. system reset
- Power Supply
  12V DC power input only, AT/ATX supported
  1 x External DC power jack
- Power Consumption
  +12V@1.35A (Intel® Celeron® J1900 CPU, 1 x 4GB 1333 MHz DDR3 memory)
- Operating Temperature: -20°C ~ 60°C
- Storage Temperature: -30°C ~ 70°C
- Operating Humidity: 5% ~ 95%, non-condensing
- Dimensions (LxW): 100mm x 72mm
- Weight: GW:600g / NW:250g

Features

1. PICO-ITX SBC supports Intel® 22nm Atom™ or Celeron® on-board SoC
2. 12V only single voltage design for AT/ATX power by DC power jack
3. VGA and iDP support dual display
4. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Packing List

1 x HYPER-BT single board computer	
1 x SATA with 5V output cable kit (P/N: 32801-000201-300-RS)	
1 x Audio cable (P/N: 32000-072100-RS)	1 x One Key Recovery CD
1 x RS-232 cable (P/N: 32200-000049-RS)	1 x QIG
1 x Heatsink	1 x Utility CD

Ordering Information

Part No.	Description
HYPER-BT-J19001-R10	PICO-ITX SBC supports Intel® Celeron® quad-core J1900 (10W) on-board SoC with DDR3L, VGA/iDP, GbE, USB 3.0, SATA 3Gb/s, Audio and RoHS
HYPER-BT-N29301-R10	PICO-ITX SBC supports Intel® Celeron® quad-core N2930 (7.5W) on-board SoC with DDR3L, VGA/iDP, GbE, USB 3.0, SATA 3Gb/s, Audio and RoHS
HYPER-BT-N28071-R10	PICO-ITX SBC supports Intel® Celeron® dual-core N2807 (4.3W) on-board SoC with DDR3L, VGA/iDP, GbE, USB 3.0, SATA 3Gb/s, 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
32000-070301-RS	Dual-port USB cable
32200-000049-RS	RS-232 cable, 200mm, DB-9 2x5P P=2.0
32006-000300-100-RS	PS/2 KB/MS Y-cable without bracket
DP-LVDS-R10	DisplayPort to 24-bit dual-channel LVDS converter board (for IEI iDP connector)
DP-HDMI-R10	DisplayPort to HDMI converter board (for IEI iDP connector)
DP-DVI-R10	DisplayPort to DVI-D converter board (for IEI iDP connector)
DP-VGA-R10	DisplayPort to VGA converter board (for IEI iDP connector)
DP-DP-R10	DisplayPort to DisplayPort converter board (for IEI iDP connector)

**: Those item are by order production, MOQ: 100