

CT-PBT01

FEATURES

- Intel® Celeron® processor J1900, up to 2.0GHz
- 1x 204-pin DDR3L SODIMM. max up to 8GB
- 1x Intel® GbE
- Dual independent display supported by 1x HDMI and 1x LVDS
- 2x half-size mini PCIe for communication or expansion modules, 1x mSATA Socket
- 1x USB 3.0, 3x USB 2.0
- -10°C to 70°C extended operating temperature



SPECIFICATIONS

SYSTEM

Processor	Intel Celeron Processor J1900 (2.0GHz/4C/10W)
System Chipset	SoC integrated
LAN Chipset	1x Intel® I210AT GbE controller
Audio Codec	Realtek ALC888S
Memory	1x 204-Pin DDR3L 1066/1333MHz SODIMM
Max. Size	8GB
BIOS	AMI 64Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

DISPLAY

Chipset	Intel® SoC Integrated
Interface	1x HDMI (2048x1080 @60Hz) 1x LVDS (single channel, 18bit/24bit)
Multiple Display	Dual Display

STORAGE

SATA	1 x SATA 3.0Gb/s
mSATA	1x mSATA (shared by 1x Mini PCIe)

EXPANSION

Mini PCI Express	1x Half-size Mini PCIe 1x Half-size Mini PCIe (Full-size as BOM option)
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REAR I/O

Display	1x HDMI (1x VGA as BOM option)
USB	1x USB 3.0, 1x USB 2.0
LAN	1x RJ45

ORDERING INFORMATION

MODEL NO.	DESCRIPTION
Model Number	CT-PBT01
Description	Pico-ITX SBC with Intel Celeron J1900, HDMI, 1x LAN, 4x USB, 2x COM
Model Number	CT-PBT02
Description	Pico-ITX SBC with Intel Celeron J1900, VGA, 1x LAN, 4x USB, 2x COM

INTERNAL I/O

Display	1x LVDS 1x LVDS backlight
COM	1x RS-232/422/485, 1x RS-232
USB	2x USB 2.0
SATA	1x SATA 3.0Gb/s
Audio	1x Front panel audio
GPIO	1x 8-bit GPIO (4-in/4-out)
Others	1x Front panel 1x SMBus

OPERATING SYSTEM

Windows	Windows 10, Windows 7, WES7
Linux	Linux kernel 3.X

POWER

Power Connector	2-pin power connector
Power Input	12V DC Input
Management	ACPI

MECHANICAL & ENVIRONMENT

Form Factor	PICO-ITX
Dimension	100mm x 72mm
Operating Temp.	-10°C ~ 70°C
Storage Temp.	-40°C ~ 85°C
Operating Temp.	10% ~ 90% relative humidity, non-condensing

PACKING LIST

- 1x Heat Sink (1-BT0400130)
- 1x Audio Cable 20 cm (1-TADO00004)
- 1x COM Cable 2*10P-2*DB9 22 cm (1-TCOM00012)
- 1x Power Cable 10 cm (1-TPWR00015)
- 1x SATA Cable 30 cm (1-TSAT00006)
- 1x SATA Power Cable (1-TPWR00016)
- 1x USB cable (1-TUSB00017)
- 4x Copper Stud and Screws for Heat Sink
- 2x Screws for Mini PCIe Card

* For detailed performance specification, please refer to the data sheet or consult with the technical team.

* The environmental specification covers the bare bone systems and does not include other components environmental specification.

