



INDUSTRIAL MOTHERBOARD

CT-PBT01

2.5" Pico-ITX Single Board Computer with Intel® Celeron® J1900



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
System Memory	1x 204-Pin DDR3L 1066/1333MHz SODIMM Max. 8GB
Graphics	Intel® SoC Integrated
BIOS	AMI 64Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset
Display	
HDMI	1x HDMI (2048x1080 @60Hz) (HDMI-Model)
LVDS	1x LVDS (Single Channel, 18bit/24bit)
Multiple Display	Dual display
VGA	1x VGA (VGA-Model)
Storage	
mSATA	1x mSATA (Shared by 1x Mini PCIe)
SATA	1x SATA 3.0Gb/s
Expansion	
Mini PCIe	2x Half-size Mini PCIe
I/O	
LAN	1x RJ45
USB	1x USB 3.0, 1x USB 2.0
Internal I/O	
Audio	1x Front panel audio
COM	1x RS-232/422/485, 1x RS-232
DIO	1x 8-bit GPIO (4-in/4-out)
SATA	1x SATA 3.0Gb/s
USB	2x USB 2.0
Others	1x Front panel 1x SMBus
Operating System	
Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 3.X
Power	
Power Management	ACPI
Power Supply Voltage	12V DC Input
Power Connector	2-pin power connector
Environment	
Operating Temperature	-10°C ~ 70 °C
Storage Temperature	-40 °C ~ 85 °C
Relative Humidity	10% ~ 90% relative humidity, non-condensing
Physical	
Dimensions	PICO-ITX Form Factor 100mm x 72mm

Available Models

- CT-PBT02-J1900
- 2.5" Industrial Motherboard with Intel® Celeron® J1900

Packing List

1x Heat Sink
 1x Audio Cable 20 cm
 1x COM Cable 2*10P-2*DB9 22 cm
 1x Power Cable 10 cm
 1x SATA Cable 30 cm
 1x SATA Power Cable
 1x USB cable
 4x Copper Stud and Screws for Heat Sink
 2x Screws for Mini PCIe Card

US Exports And Tariff Codes

ECCN	5A992.c
HTS	8504.90.2000
ScheduleB	8473.30.0002

* All specifications and photos are subject to change without notice.