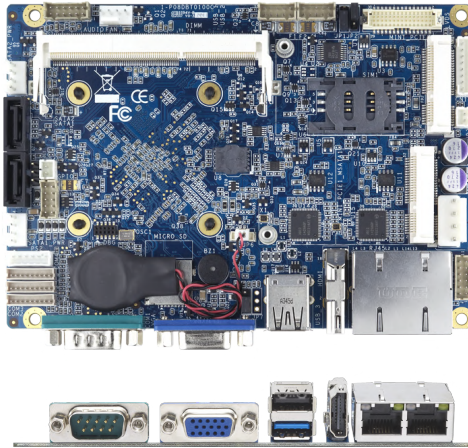




INDUSTRIAL MOTHERBOARD

# CT-DBT02

3.5" SBC with Intel® Celeron® J1900 Series



## FEATURES

- Support Intel® Celeron® J1900 Series Processor
- 1 x 204-pin DDR3L 1333 SODIMM up to 4GB
- 2 x Intel GbE Controller(Wake-on-LAN & PXE support)
- 1 x SATA
- 3 x Display interface, 1 x HDMI, 1 x VGA, 1 x LVDS
- 4 x COM port for RS-232/422/485
- 1 x USB3.0, 5 x USB2.0
- 1 x 8-bit GPIO
- 1 x MicroSD slot
- 1 x Full size mini PCIe GEN2 slot with SIM slot, 1 x mSATA
- Watchdog timer 0~255 steps H/W reset
- TPM1.2 supported (Optional)

## SPECIFICATIONS

| System                     |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Processor                  | Intel® Celeron® Processor J1900 (2.0GHZ/4C/10W)                                                                       |
| System Memory              | 1 x 204-pin DDR3L SODIMM sockets<br>Non-ECC/unbuffered<br>Data transfer rates up to 1333MT/s<br>Memory size up to 4GB |
| BIOS                       | AMI uEFI 8MB SPI flash                                                                                                |
| Graphics                   | Intel 7 <sup>th</sup> generation graphics and media encode/decode engine                                              |
| Audio                      | Realtek ALC886                                                                                                        |
| Ethernet                   | 2 x Intel I210IT GbE Controller                                                                                       |
| Watchdog Timer             | H/W Reset, 0 ~ 255 steps<br>Step = 1 sec. or 1 min                                                                    |
| H/W Monitor                | Voltages monitoring<br>Temperature monitoring<br>Smart fan supported                                                  |
| TPM                        | TPM1.2 supported (Optional)                                                                                           |
| Mechanical & Environmental |                                                                                                                       |
| Dimension                  | 146mm x 102mm                                                                                                         |
| Power Input                | DC +12V input                                                                                                         |
| Power Management           | ACPI 5.0 compliant                                                                                                    |
| Operating Temp.            | -20°C ~ 70°C                                                                                                          |
| Storage Temp.              | -40°C ~ 85°C                                                                                                          |
| Operating Humidity         | 10% ~ 90% relative humidity, non-condensing                                                                           |
| I/O                        |                                                                                                                       |
| Internal I/O               | 1 x 2-ch 24bit LVDS<br>1 x SATA 2.0<br>3 x RS-232/422/485<br>4 x USB 2.0<br>1 x Line-In, Line Out & Mic-In            |
|                            | 1 x 8-bit GPIO<br>1 x PS/2 keyboard mouse<br>1 x microSD card socket<br>1 x SIM card socket<br>1 x FAN connector      |

|                   |                                                                                    |
|-------------------|------------------------------------------------------------------------------------|
| Rear I/O          | 1 x HDMI<br>1 x VGA<br>1 x RS-232/422/485<br>1 x USB 3.0<br>1 x USB 2.0<br>2 x GbE |
| Expansion         | 1 x Full size mini PCIe slot<br>1 x mSATA                                          |
| Storage Temp.     | -40°C ~ 85°C, 95% (non-condensing), Non-operating                                  |
| Relative Humidity | 10% ~ 90% relative humidity, non-condensing                                        |

## ORDERING INFORMATION

### Packing List

- 1 x COM port cable
- 1 x PS/2 cable
- 1 x SATA cable
- 1 x Power cable
- 1 x Driver DVD

### Ordering Information

| MODEL NO.      | DESCRIPTION                                     |
|----------------|-------------------------------------------------|
| CT-DBT02-J1900 | w/ Intel® Celeron® Processor J1900 (2.0GHz/10W) |

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

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

### US

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +1 347 719 4508

Support: +1 347 719 4508

1309 Coffeen Ave  
Ste 1200  
Sheridan  
WY 82801  
USA

### EMEA

[sales@assured-systems.com](mailto:sales@assured-systems.com)

Sales: +44 (0)1785 879 050

Support: +44 (0)1785 879 050

Unit A5 Douglas Park  
Stone Business Park  
Stone  
ST15 0YJ  
United Kingdom

VAT Number: 120 9546 28

Business Registration Number: 07699660