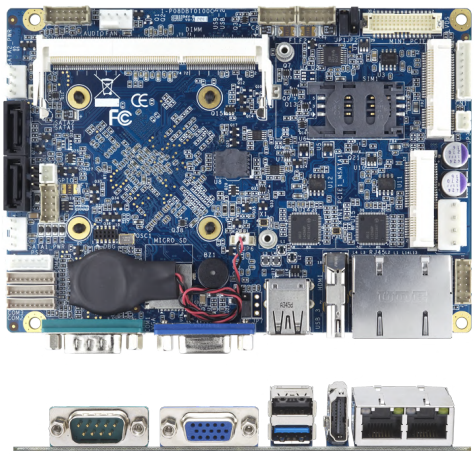
C&T SOLUTION INC.

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 timmer 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 Non-ECC/unbuffered Data transfer rates up to 1333MT/s Memory size up to 4GB
BIOS	AMI uEFI 8MB SPI flash
Graphics	Intel 7th 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 Step = 1 sec. or 1 min
H/W Monitor	Voltages monitoring Temperature monitoring 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 1 x SATA 2.0 3 x RS-232/422/485 4 x USB 2.0 1 x Line-In, Line Out & Mic-In 1 x 8-bit GPIO 1 x PS/2 keyboard mouse 1 x microSD card socket 1 x SIM card socket 1 x FAN connector
Rear I/O	1 x HDMI 1 x VGA 1 x RS-232/422/485 1 x USB 3.0 1 x USB 2.0 2 x GbE
Expansion	1 x Full size mini PCIe slot 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.*

C&T Solution Inc. 17F-2, No. 700, Zhongzheng Rd., Zhonghe Dist., New Taipei City 235, Taiwan (R.O.C.) Tel: +886-2-7731-7888 Fax: +886-2-7731-7855 Email: info@candtsolution.com **www.candtsolution.com**

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

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

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