

CT-DBT02

3.5" SBC with Intel® Atom™ E3800 Series
or Celeron™ J1900 Series



System

CPU	Intel® Atom™ Processor E3845 (1.91GHz/4C/10W) Intel® Atom™ Processor E3827 (1.75GHz/2C/8W) 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
Ethernet	2 x Intel I210IT GbE Controller
Audio	Realtek ALC886
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 Management	ACPI 5.0 compliant
Power Input	DC +12V input
Operating Temp.	-20°C ~ 70°C
Storage Temp.	-40°C ~ 85°C
Operating Humidity	10% ~ 90% relative humidity, non-condensing

Ordering Information

Model Number	P/N	Description
CT-DBT02-E3845	6-DBT0201S100-P0	3.5" SBC, with Intel Atom E3845 (1.91GHz/10W), DDR3L, 2x GbE, 1x SATA, LVDS, VGA, 4x COM, 1x USB 3.0, 5x USB 2.0, GPIO, Audio, PS/2, MicroSD, SIM Card, 1x mSATA, 1x Mini PCIe
CT-DBT02-E3827	6-DBT0202S100-P0	w/ Intel Atom Processor E3827 (1.75GHz/8W)
CT-DBT02-J1900	6-DBT0204S100-P0	w/ Intel Celeron Processor J1900 (2.0GHz/10W)

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 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

Packing List

1 x COM port cable
1 x PS/2 cable
1 x power cable
1 x SATA cable
1 x Driver DVD

Board Level
COM Express

Board Level
3.5" SBC

Board Level
Industrial M/B

Robust System

Intelligent System

