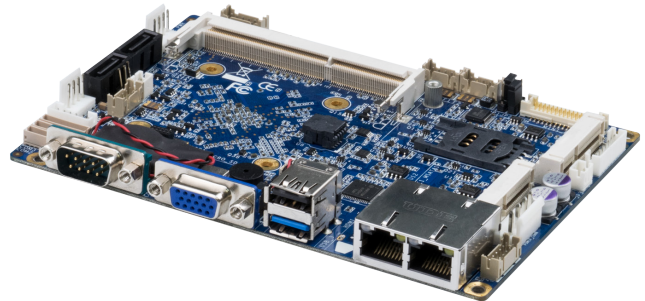


CT-DBT0x0x

3.5" Single Board Computer w/ Intel® ATOM™ E3800 Series/Celeron J1900 Embedded Processor on Board

FEATURES

- Intel ATOM E3845, E3827, or Celeron J1900 on board
- 1x DDR3L SO-DIMM support, up to 8GB
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- VGA/HDMI/LVDS (2-ch 24-bit)
- 2x Mini-PCIe, or 1x Mini-PCIe and 1x mSATA
- 2x SATA 6.0Gb/s
- 4x COM port, 1x USB 3.0, 5x USB 2.0
- 1x 8-bit GPIO
- Supports TPM 1.2 (optional)



SPECIFICATIONS

System

CPU	E3845 (1.91GHz/10W) E3827 (1.75GHz/8W) J1900 (2.00GHz/10W)
System Memory	1x 204-Pin DDR3L 1333 MHz SO-DIMM Non-ECC, unbuffered, max. 8 GB
Ethernet	2x Intel® I210AT GbE controller (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC886 HD Audio Codec
BIOS	AMI UEFI 8MB SPI Flash
Watchdog	Software Programmable 1~255 sec. or min. per step System Reset
TPM	TPM 1.2 (optional)

Display

LVDS	2-ch 24-bit LVDS
Multiple Display	VGA/HDMI

Storage

SATA	2x SATA III (6 Gb/s) (1x for mSATA models)
mSATA	1x mSATA (mSATA models only)

Expansion

Mini PCI Express	2x Full-size Mini-PCIe (1x for mSATA models)
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I/O

COM	1x RS-232/422/485 (rear) 3x RS-232 (header)
USB	1x USB 3.0 (rear) 5x USB 2.0 (1x rear/4x header)
LAN	2x GbE RJ45 (rear)
Audio	1x Mic-in, 1x Line-out (rear)
Others	1x PS/2 Keyboard/Mouse (header) 1x SIM Card Holder (header) 1x micro SD Card Slot (header) 1x System Fan (header) 1x Front Panel Audio (header) LED/Power/Reset Connectors (header)

Operating System

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 4.x

Power

Power Mode	DC 12V
Power Connector	1x4 Header

Environment

Operating Temp.	0 °C to 60 °C (32 °F to 140 °F) (J1900) -20 °C to 70 °C (-4 °F to 158 °F) (E3827/E3845)
Storage Temp.	-40 °C to 85 °C (-40 °F to 185 °F)
Relative Humidity	10% to 95% (non-condensing)
Certification	CE, FCC Class A

Physical

Dimension (LxW)	146 x 102 mm (5.7" x 4.0")
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Ordering Information

CT-DBT0101	3.5" SBC, w/ Intel Atom E3845 (1.91GHz/10W), DDR3L, HDMI/VGA/LVDS, 2xGbE, 4xCOM, 5xUSB2.0, 1xUSB3.0, microSD, 2xSATA, Audio, 2xmini-PCIe
CT-DBT0102	w/ Intel Atom E3827 (1.75GHz/8W)
CT-DBT0104	w/ Intel Celeron J1900 (2.00GHz/10W)
CT-DBT0201	w/ Intel Atom E3845, 1x mini-PCIe, 1x mSATA, 1x SATA
CT-DBT0202	w/ Intel Atom E3827, 1x mini-PCIe, 1x mSATA, 1x SATA
CT-DBT0204	w/ Intel Celeron J1900, 1x mini-PCIe, 1x mSATA, 1x SATA

