

BX-T5000-G

Fanless Embedded PC

Intel® Core™ i3-13100TE,
Core™ i5-13500TE / i7-13700TE



Technology for a better life

FEATURES



- Ultra-compact design size contributes to space-saving
- Rich interfaces for easy connection to various peripherals
- Operation capable in a wide temperature range
- "Power failure protection system" features power-off without OS shutdown
- High-security design contributes to a highly reliable system
- CONTEC-customized BIOS provides useful utility

Application

Image Processing Terminal

The BX-T5000 can be used for efficient image processing tasks, suitable for applications requiring stable operation and high performance.

In-Vehicle Terminal

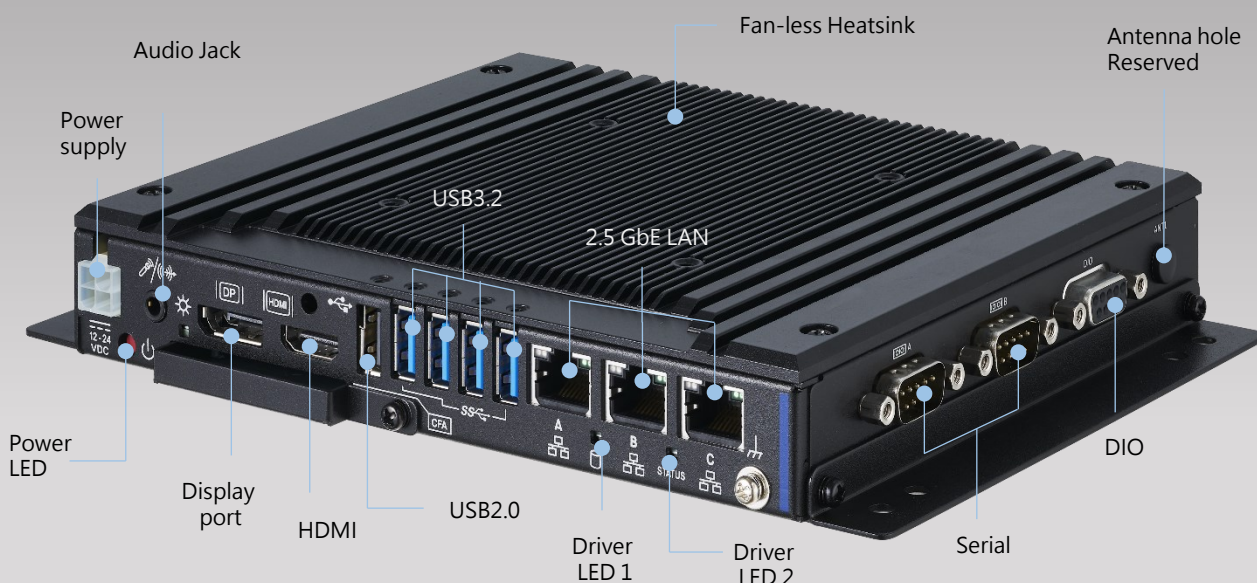
Due to its durability and wide temperature range (-20°C to 60°C), the BX-T5000 is ideal for in-vehicle systems.

Digital Signage Terminal

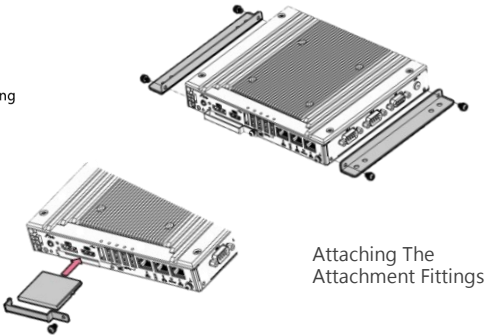
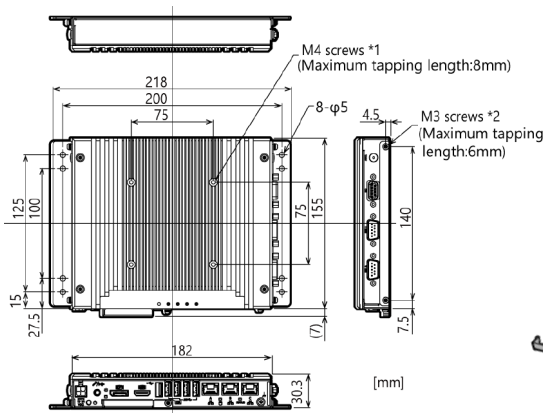
Compact design and multiple interfaces make it an excellent choice for digital signage applications.



<https://www.contec.com/>
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MECHANICAL
DIMENSIONS



Attaching The
Attachment Fittings



Specifications	
Processor	Intel® Core™ i3-1315URE Processor 1.20 GHz Intel® Core™ i5-1345URE Processor 1.40 GHz
BIOS	AMI UEFI BIOS
Memory	1x DDR5 5600MHz SO-DIMM socket, up to 32GB (In-band ECC)
Graphic	Intel® Iris® Xe Graphics eligible
Display Interface	1x Display 1.4 (Max resolution up to 4096 x 2160@60Hz) 1x HDMI 1.4 (Max resolution up to 3840 x 2160 @30Hz)
Expansion Interface	1 x M.2 2242 Key M, PCIe Gen4 x4, NVMe for SSD ,support SATA 1 x M.2 2230 Key E, PCIe, USB 2.0
CFast Slot	1 slot, CFast CARD Type I, bootable
Audio	1 x HD Audio compliant 3.5φ stereo mini jack
Ethernet	RJ45 connector (front I/O) : 3 x 10/100/1000/2500 Mbps Ethernet port by Intel i226 controller
Serial Port	1 x RS232/422/485 DB-9P (Side I/O) 1 x RS232 DB-9P (Side I/O)
USB Port	4 x USB3.2 Gen2 (front I/O) 1 x USB2.0 (front I/O)
GPIO	6-bit GPIO by D-SUB 9P (Side I/O) +PWRBTN#
Wireless LAN	IEEE 802.11ax/ac/a/b/g/n standards. (WiFi 6 module /M.2 3042 Key B)
Power Management	Power On by Ring/ Wake on LAN function (setting from BIOS)
Hardware Monitoring	Monitoring CPU temperature, board temperature, power voltage
Watchdog Timer	Hardware Reset, 5~255 seconds/ 5~255 minutes
Mounting	Wall mount kit
Dimensions (mm)	182(W) x 155(D) x 30.3(H) (Not including the attachment fitting or protrusions)
Power Supply	12-24 VDC (± 10%)Wide Range DC Input ; ATX /AT Mode by jumper setting
TPM	TPM 2.0 (onboard IC)
Environment	Operation Temperature ^{*1*2} : -20 to 45℃ (no airflow) -20 to 55℃ (airflow 0.7m/s)
	Storage Temperature: -20 to 60℃
	Humidity: 10 to 90% non-condensing
OS Driver Support	Windows®11 24H2 LTSC 2024 64Bit
Certificate	CE / FCC / VCCI (Class A)/ UKCA / RoHS2.0

*1 The operating temperature is restricted by the installation direction.
See the "Installation Requirements" in this manual for details.

*2 The ambient temperature should be 0℃ and higher when using or storing the audio.

Ordering Guide	
● BX-T5000-G2200000	Intel® Core™ i3-1315URE Processor, 8GB DDR5 SDRAM+ Wall mount kit
● BX-T5000-G3200000	Intel® Core™ i5-1345URE Processor, 8GB DDR5 SDRAM+ Wall mount kit