

Built-in 8th Gen Intel® Core™ Processor

High-performance compact embedded PC

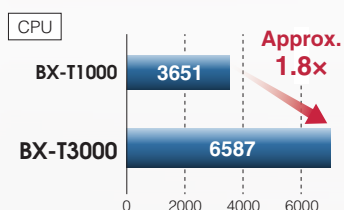
Box Computer **BX-T3000** Series



Wireless LAN and
Bluetooth models available

High performance with a space-saving design

This product has 1.8 times the computing capacity and just 1/3 the size of the BX-T1000, Contec's conventional product.



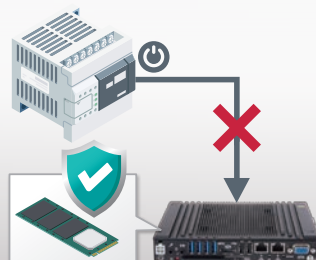
* Compared with Core i7 models
(according to PassMark)



No need to worry about sudden power loss

Power Failure Protection System

With a ROM-based OS and dedicated SSD, write data is protected even in the event of a sudden power failure. When used with the Windows lockdown function (UWF), power can also be safely turned off without a shutdown process.



Rich interfaces for easy connection to various peripherals

Support for latest devices :
DisplayPort 1.2 / USB 3.2 Gen2 /
Dual GbE / M.2

Support for legacy industrial devices :
Analog RGB / RS-232C / RS-485 /
CFast



DisplayPort 1.2



USB 3.2 Gen2 × 4



Analog RGB



RS-232C / 485

Box Computer BX-T3000 Series



Ordering Information

Model	Wireless LAN / Bluetooth	CPU	Memory	Storage	OS
BX-T3000-J60xxxxxx	Not available	Core i7-8665UE (1.7GHz)	16GB	M.2 SSD (TLC) 512GB / 256GB / 128GB	Windows 10 IoT Enterprise 2021 LTSC 64-bit (English/Chinese/Japanese/Korean) / Windows 10 IoT Enterprise 2019 LTSC 64-bit (English/Chinese/Japanese/Korean)
BX-T3000-J50xxxxxx		Core i5-8365UE (1.6GHz)	8GB / 16GB		
BX-T3000-J40xxxxxx		Core i3-8145UE (2.2GHz)	8GB / 16GB		
BX-T3000-J20xxxxxx		Celeron 4305UE (2.0GHz)	8GB / 16GB		
BX-T3000R-J60xxxxxx	Available	Core i7-8665UE (1.7GHz)	16GB		
BX-T3000R-J50xxxxxx		Core i5-8365UE (1.6GHz)	8GB / 16GB		
BX-T3000R-J40xxxxxx		Core i3-8145UE (2.2GHz)	8GB / 16GB		
BX-T3000R-J20xxxxxx		Celeron 4305UE (2.0GHz)	8GB / 16GB		

* xxxxxxx varies depending on the details of the selection. * Models with no OS installed are also available. Visit the Contec website for more information.

Specifications

Model	BX-T3000-J60xxxxxx BX-T3000R-J60xxxxxx	BX-T3000-J50xxxxxx BX-T3000R-J50xxxxxx	BX-T3000-J40xxxxxx BX-T3000R-J40xxxxxx	BX-T3000-J20xxxxxx BX-T3000R-J20xxxxxx
CPU	Intel® Core™ i7-8665UE	Intel® Core™ i5-8365UE	Intel® Core™ i3-8145UE	Intel® Celeron® 4305UE
BIOS	AMI BIOS			
Security	TCG TPM2.0			
Memory	BX-T3000-Jx04xxxxxx / BX-T3000R-Jx04xxxxxx :8GB (260-pin SO-DIMM), PC4-19200 (DDR4-2400) BX-T3000-Jx05xxxxxx / BX-T3000R-Jx05xxxxxx :16GB (260-pin SO-DIMM), PC4-19200 (DDR4-2400)			
Graphics Controller	Intel® UHD Graphics 620 (CPU integrated)			
System Resolution (MAX)	DisplayPort:3840x2160 @ 60Hz, Analog RGB:1920x1200 @ 60Hz			
Audio	HD Audio compliant, LINE OUT x 1, MIC IN x 1			
M.2 Card Slot	1 slot, M.2 2242 Key M, SATAIII Built-in storage models : M.2 SSD built-in (TLC, 1 partition)			
CFast Card Slot	1 slot, M.2 2230/2280, Key E, PCIe (x1) x 2 ports, USB2.0 x 1 port BX-T3000R-Jx0xxxxxx : M.2 Wireless LAN card mounted			
LAN	1 slot, CFast CARD Type I,bootable			
USB	Intel® I210IT controllers, 1000BASE-T/100BASE-TX/10BASE-T x 2 ports (RJ-45 connector), supports Wake On LAN			
Serial	USB3.2 Gen2 (USB3.2)-compliant x 4 ports, USB2.0-compliant x 2 ports			
Wireless LAN, Bluetooth*1	RS-232C/422/485 x 1 port, RS-232C x 1 port, Baud rate: 50 to 115,200bps			
General Purpose I/O	IEEE 802.11ac/a/b/g/n, Bluetooth 4.2			
Hardware monitoring	Non-isolated type : I/O 6 channels, switch signal			
Watchdog timer	Monitoring CPU temperature, board temperature, power voltage			
Real Time Clock	Software programmable, 255 level (1sec to 255sec) Time up allows reset			
Power Management	Lithium backup battery life: 10 years or longer, The real-time clock is accurate within ±3 minutes (at 25°C) per month (CPU built-in RTC).			
Rated Voltage Rang / Current Consumption	Power management setup via BIOS, Power On by Ring / Wake On LAN, Supports ACPI Power management			
Physical dimensions (mm/inch)	12 to 24VDC±10%			
Weight	12V 4.9A, 24V 2.6A			
Operating temperature*2	182/7.17(W) x 155/6.1(D) x 30.3/1.19(H) , Not including the attachment fitting or protrusions			
Standard	1.3kg / 2.87lb (approx.), Not including the attachment fitting			
	-20 to 50°C / -4 to 122°F without airflow ; -20 to 60°C / -4 to 140°F airflow 0.7m/s			
	CCC ³ , CE Marking (EMC Directive Class A, RoHS Directive) ¹ , FCC Class A, KC ^{1,4} , TELEC (set with the certified wireless module) ¹ , UKCA ¹ , UL/c-UL ¹ , VCCI Class A			

*1 The wireless module & Bluetooth is set only in the wireless models. The CE Marking, KC, UKCA, and c-UL standards do not apply to the wireless models.

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

*3 The Base models and the wireless models are excluded from CCC.

*4 BX-T3000-J504L08W21 is excluded from KC.

Component Name



- ① DC-IN
- ② Audio
- ③ USB 3.2 Gen2 x 4
- ④ CFast Card Slot
- ⑤ DisplayPort
- ⑥ USB 2.0 x 2
- ⑦ LAN A,B
- ⑧ Analog RGB
- ⑨ RS-232C / 422 / 485
- ⑩ RS-232C
- ⑪ General Purpose I/O



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