



BMX-T550

Desktop Chassis and Barebone system

- > Intel® 8th/9th Coffee Lake-S Processor
- > Intel® H310 Express Chipset
- > Intel® UHD Graphics 610/630
- > 2-Memory Socket, Max. Up to 64GB DDR4 2666
- > 2-Storage, 2.5" Drive Bay
- > 3-Display, HDMI, VGA, DP++
- > 3-Expansion Slot, PCIe x 16, M.2 Key B/E
- > 4-Intel® Gigabit Ethernet
- > 12-USB, 6-USB 2.0, 6-USB 3.1
- > 0~50°C (32°F ~ 122°F) Operating Temperature

+ Spec

System Information

Processor	Intel® 8/9th Gen. Core™ i7/i5/i3/Pentium®/Celeron®/Processor
Platform Controller Hub	Intel® H310 Chipset
System Memory	2 x 260-pin DDR4 2666 MHz SO-DIMM up to 64GB
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU & System Temperature and Voltage
TPM	Onboard Infineon SLB9665 supports TPM 2.0
SBC	EMX-H310P(Mini ITX Board)

Expansion

Expansion	1 x PCIe x 16 1 x M.2 (2242/2260/2280) B-Key, supports WWAN+GNSS with SIM card slot & SSD (SATA) 1 x M.2 (2230) E-Key, supports WiFi module
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Storage

Storage	2 x 2.5" SSD/HDD
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I/O

USB Port	Rear: 4 x USB 2.0, 6 x USB 3.1 (Gen1) Front: 2 x USB 2.0
COM Port	Optional via rear IO Expansion Shield

Display

Graphic Chipset	Intel® 9/8th Generation CPU integrated
Spec. & Resolution	VGA: 2048 x 1536 @ 60 Hz HDMI: 3840 x 2160 @ 30 Hz, 2560 x 1600 @ 30 Hz DP++: 4096x2160 @ 30Hz
Multiple Display	Triple Display

Certifications

Certification Information	CE FCC Class B
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Ethernet

LAN Chipset	1 x Intel® I219-LM PCI-e Gigabit Ethernet PHY 3 x Intel® I211-AT PCI-e Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	4 x RJ-45

Power Requirement

DC Input Connector	AC Jack (IEC 320 C14)
Power Mode	AT/ATX Mode (Default: ATX mode)
Power Supply Unit	Standard 220W Flex ATX Power Supply

Mechanical & Environmental

Operating Temperature	0°C ~ 50°C (32°F ~ 122°F), (w/SSD) ambient w/ air flow
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	280 mm x 265 mm x 75 mm
Weight	3.6 kg (w_Package)
Vibration Test	With SSD : 2 Grms, IEC 60068-2-64, Random, 5 ~ 500Hz, 0.5hr/axis
Shock Test	With SSD : 10 Grms, IEC 60068-2-27, Half Sine, 11ms
Construction	Aluminum+Metal

Software Support

OS Information	Win10 64bit Linux
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Ordering Information

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BMX-T550-A1-1R

STD desktop chassis w/o motherboard

BMX-T550-A1-2R

STD IMB desktop system w/i7-8700T

BMX-T550-A1-3R

STD IMB desktop system w/i5-8500T

BMX-T550-A1-4R

STD IMB desktop system w/i3-8100T