



## BMX-T540-C246

Mini ITX Barebone System with Intel® C246 Chipset

- > Intel® C246 Chipset
- > 2 x 260-pin DDR4 2666MHz SO-DIMM socket, supports up to 64GB
- > 2 x 2.5" SSD/HDD
- > 1 x VGA, 2 x HDMI, Triple Display
- > 1 x M.2 (2242/2260/2280) M-Key, support PCIe x4 SSD
- > 1 x M.2 (2230) E-Key, support WiFi Module
- > Front: 2 x USB 2.0; Rear: 8 x USB 3.1 (Gen1), 2 x USB 2.0
- > 6 x COM, 4 x LAN, 2 PCIe x 8
- > 1 x PS/2 Keyboard/Mouse Combo Jack
- > Support RAID 0,1,5,10
- > Onboard Infineon SLB9665 support TPM2.0
- > 400W 100-240Vac Power Supply (80 Plus Gold Certified)

### Spec

| -System Information-       |                                                                                                                                                                     |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Processor                  | Intel® LGA1151 Socket Supports 8/9th Generation Core™ Pentium® / Celeron i7/i5/i3 Processors (Max. TDP at 95W) /Intel® Xeon® Processor E3-2000 Family (Workstation) |
| Platform Controller Hub    | Intel® C246 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-C246P                                                                                                                                                           |
| Expansion                  |                                                                                                                                                                     |
| Expansion                  | 2 x PCIe x 8<br>1 x M.2 ((2242/2260/2280) M-Key, support Intel RST, PCIe x4 SSD)<br>1 x M.2 ((2230) E-Key E, support WiFi module supports CNVio)                    |
| Storage                    |                                                                                                                                                                     |
| Storage                    | 2 x 2.5" SSD/HDD                                                                                                                                                    |
| I/O                        |                                                                                                                                                                     |
| USB Port                   | Rear: 2 x USB 2.0, 8 x USB 3.1 (Gen1)<br>Front: 2 x USB 2.0                                                                                                         |
| COM Port                   | 6 x RS232 (default RS232, 2 of 6 COM can be replaced RS-232/RS422/485 by BIOS -OEM demand )                                                                         |
| Wire-Control Power On/Off  | 2-Pin Terminal Block                                                                                                                                                |
| Display                    |                                                                                                                                                                     |
| Graphic Chipset            | Intel® 9/8th Generation CPU integrated                                                                                                                              |
| Spec. & Resolution         | VGA: 2048 x 1536 @ 60 Hz<br>HDMI: 3840 x 2160 @ 30 Hz, 2560 x 1600 @ 60 Hz                                                                                          |
| Multiple Display           | Triple Display                                                                                                                                                      |
| Audio                      |                                                                                                                                                                     |
| Audio Codec                | Realtek ALC888S HD Audio Decoding Controller with 3W Amplifier                                                                                                      |
| Certifications             |                                                                                                                                                                     |
| Certification Information  | CE<br>FCC Class B                                                                                                                                                   |
| Ethernet                   |                                                                                                                                                                     |
| LAN Chipset                | 1 x Intel® I219-LM PCIe Gigabit Ethernet PHY<br>3 x Intel® I210-AT PCIe Gigabit Ethernet                                                                            |
| Ethernet Interface         | 10/100/1000 Base-Tx GbE compatible                                                                                                                                  |
| LAN Port                   | 4 x RJ-45                                                                                                                                                           |
| Power Requirement          |                                                                                                                                                                     |
| DC Input                   | 100 ~ 240 VAC                                                                                                                                                       |
| DC Input Connector         | AC Jack (IEC 320 C14)                                                                                                                                               |
| Power Mode                 | AT/ATX Mode (Default: ATX mode)                                                                                                                                     |
| Power Supply Unit          | Standard 400W Power Supply                                                                                                                                          |
| Mechanical & Environmental |                                                                                                                                                                     |
| Operating Temperature      | 0°C ~ 40°C (32°F ~ 104°F), (w/SSD) ambient w/ air flow                                                                                                              |
| Storage Temperature        | -30°C ~ 70°C (-22°F ~ 158°F)                                                                                                                                        |
| Operating Humidity         | 40°C @ 95% Relative Humidity, Non-condensing                                                                                                                        |
| Dimension (W x L x H)      | 372mm x 307 mm x 107mm                                                                                                                                              |
| Weight                     | 6.4 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           |                                                                                                                                                                     |

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|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| OS Information       | Win10 64bit<br>Linux                                                                                                                                                                                                            |
| Ordering Information |                                                                                                                                                                                                                                 |
| Ordering Information | BMX-T540-C246-A1R<br>Mini ITX System with Intel® C246 chipset<br><br>Power Cord information<br>USA Power Cord: E1702031833R<br>UK Power Cord: E170P060380R<br>EU Power Cord: E1702031000R<br>Australia Power Cord: E1702031831R |

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