



BMX-T522-SK

Intel® 6th Gen Core™ SoC i7/i5/i3 & Celeron® BGA Processor Mini ITX Fanless Box PC

- > DP++, HDMI/DP, Dual Display
- > 2 x Intel® I211-AT Gigabit Ethernet
- > 2 x 260-pin DDR4 2133 MHz SO-DIMM Socket, Supports up to 32GB Max (Default: 1 x 4GB DDR4 Memory)
- > 4 x USB 2.0, 4 x USB 3.0, 1 x Mc-In, 1 x Line-Out
- > 4 x RS-232, 2 x RS-232/422/485, 16-bit GPIO by 2 x DB9
- > 2 x 2.5" Internal Bracket, 1 x SD Card Slot, 1 x SIM Card Slot
- > 1 x M2 Type B 3042/2242/2260/2280 w/ SIM card slot, 1 x M2 Type A
- > Onboard Infineon SLB9665 TPM2.0
- > DC in +12V (Lockable DC Jack)

+ Spec

System	
Processor	Intel® 6th Gen Core™ SoC i7/i5/i3 & Celeron® BGA Processor
System Memory	2 x 260-pin DDR4 2133 MHz SO-DIMM Socket, Supports up to 32GB Max (Default: 1 x 4GB DDR4)
Watchdog Timer	H/W Reset: 1sec. ~ 65535sec./min. and 1sec. or 1min./step
H/W Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
Board	EMX-SKLUP
Expansion	
Expansion	1 x M.2 Key B 3042/2242/2260/2280 w/ SIM card slot 1 x M.2 Key A 2230 Supports WiFi Module
Storage	
Storage	1 x SD card slot support SD/ SDHC Card 2 x 2.5" Internal HDD Bracket
I/O	
USB	4 x USB 3.0, 4 x USB 2.0
SATA	2 x SATA III 2 x SATA Power
COM Port	4 x RS-232 (pin9 with power) 2 x RS-232/422/485
SIM	1 x SIM Card Slot
GPIO	2 x 8-bit GPIO by DB9 connector
Other	2 x SMA Connector (Optional)
Display	
Chipset	Intel® 6th Gen Core™ SoC i7/i5/i3 & Celeron® BGA Processor
Resolution	HDMI: 3840 x 2160 @ 30 Hz, 2560 x 1600 @ 30 Hz DP: 4096x2160 @ 60Hz DP: 4096x2160 @ 60Hz
Multiple Display	DP + DP, DP + HDMI
Resolution	Dual Display
Audio	
Chipset	Realtek ALC892 Audio Codec
Audio Interface	Mic-In and Line-Out
Ethernet	
Chipset	1 x Intel® i211AT & 1 x Intel® i219LM Gigabit Ethernet
Ethernet Interface	10/100/1000 Base-Tx GbE compatible
LAN Port	2 x RJ45
Mechanical & Environmental	
Operating Temp	0°C ~ 40°C (32°F ~ 104°F) (w/HDD), ambient w/ air flow 0°C ~ 55°C (32°F ~ 131°F) (w/Wide-temp. SSD, M.2), ambient w/ air flow
Storage Temp	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Construction	Aluminum + Metal
Dimension (L x W x H)	180 x 182 x 76 mm
Storage Humidity	10 ~ 95% @ 40°C Non-condensing
Power Requirement	
Power Connector	DC Jack (lockable)
Power Requirement	DC in +12V~24V
Power Mode	ATX
Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A)

+ Ordering

BMX-T522-SK-A1R, BMX-T522-SK3-A1R, BMX-T522-SK5-A1R, BMX-T522-SK7-A1R
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