



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 Mic-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 M.2 Type B 3042/2242/2260/2280 w/ SIM card slot, 1 x M.2 Type A
- > Onboard Infineon SLB9665 TPM 2.0
- > DC in +12V (Lockable DC Jack)

+ Spec

-System Information-	
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
HW Status Monitor	Monitoring System Temperature and Voltage with Auto Throttling Control
SBC	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 Port	4 x USB 3.0, 4 x USB 2.0
COM Port	4 x RS-232 (pin9 with power) 2 x RS-232/422/485
GPIO	2 x 8-bit GPIO by DB9 connector
SIM Slot	1 x SIM Card Slot
Other	2 x SMA Connector (Optional)
Display	
Graphic Chipset	Intel® 6th Gen Core™ SoC i7/i5/i3 & Celeron® BGA Processor
Spec. & Resolution	HDMI: 3840 x 2160 @ 30 Hz, 2560 x 1600 @ 30 Hz DP: 4096x2160 @ 60Hz DP: 4096x2160 @ 60Hz
Multiple Display	DP + DP, DP + HDMI
Audio	Dual Display
Audio	
Audio Codec	Realtek ALC888S Audio Codec
Audio Interface	Mic-In and Line-Out
Ethernet	
LAN 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
Power Requirement	
DC Input	DC in +12V~24V
DC Input Connector	DC Jack (lockable)
Power Mode	ATX
Adapter	Input: 100 ~ 240Vac/ 50 ~ 60Hz Output: 60W Adapter (12V @ 5A)
Mechanical & Environmental	
Operating Temperature	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 Temperature	-30°C ~ 70°C (-22°F ~ 158°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	180 x 182 x 76 mm
Weight	3.5kg
Construction	Aluminum + Metal
Ordering Information	



Ordering Information

BMX-T522-SKC-B1R (CPU: 3955U)
BMX-T522-SK3-B1R (CPU: i3-6100U)
BMX-T522-SK5-B1R (CPU: i5-6300U)
BMX-T522-SK7-B1R (CPU: i7-6600U)
Intel® 6th Gen Core™ SoC i7/i5/i3 & Celeron® BGA Processor Mini ITX Fanless Box PC
E1961361013R / 44 x 46.8 x 8.8 Din Rail kit

Power Cord information
USA Power Cord: E1702031833R
UK Power Cord: E170P060380R
EU Power Cord: E1702031000R
Australia Power Cord: E1702031831R

www.avalu.com.tw

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660