

KBox E-200 SERIES

FANLESS & RUGGED



FANLESS BOX PC WITH INTEL® HASWELL / BROADWELL U-SERIES PROCESSORS

- ▶ 2x HDMI for display output
- ▶ 2x GbE LAN for Ethernet
- ▶ 4x USB 3.0, 2x USB 2.0, 2x RS232/422/485 for peripheral connection
- ▶ 1x 2.5" SATA 2.0 HDD / SSD Slot, 1x eSATA, 1x mSATA for storage
- ▶ 2x mPCIe for expansion

POSSIBILITIES START HERE



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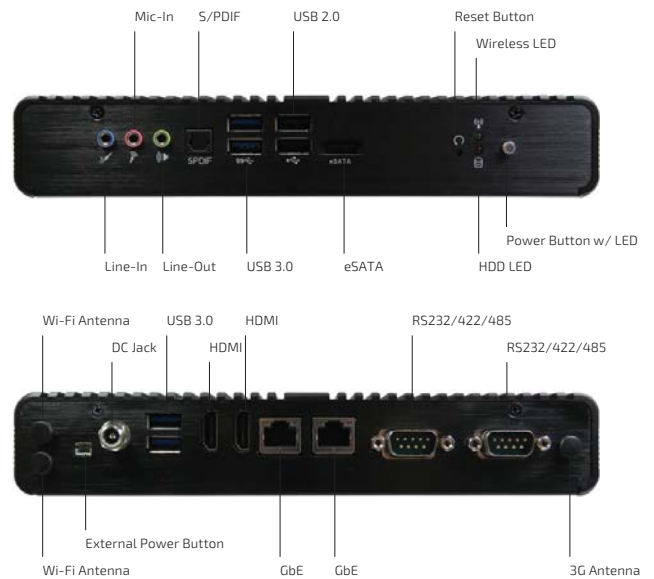
KBox E-200 Series is a passively-cooled Box PC ideal for space critical applications. This embedded hardware platform features the 4th Generation Intel® Haswell and 5th Generation Intel® Broadwell U-Series Processors and can offer excellent processing and graphical performance to respond to the requirements for the state-of-the-art applications. It comes with 2x HDMI, 2x GbE LAN,

4x USB 3.0, 2x USB 2.0, 2x COM, 1x mSATA and 2x mPCIe for peripheral connection and storage / functional expansion.

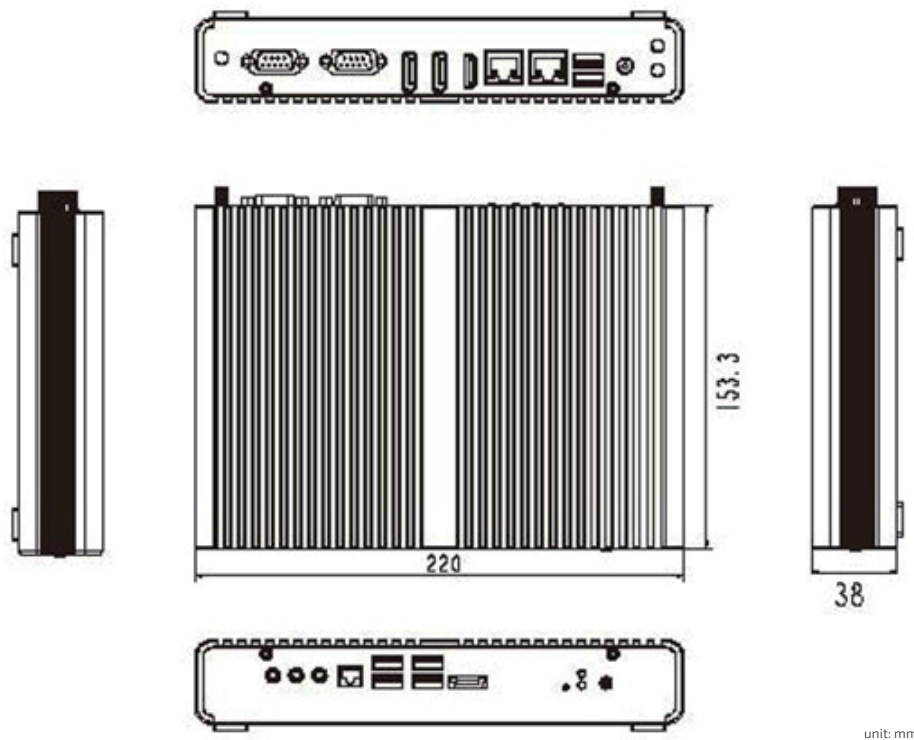
Enclosed in a highly reliable rugged case without fan and vent design, KBox E-200 Series is not only resistant to EMI, cold and heat, but also suitable for quiet fanless applications.

▶ PRODUCT HIGHLIGHTS

- ▶ Intel® Haswell / Broadwell U-Series Processors
- ▶ 2x DDR3/L 50-DIMM memory socket
- ▶ 2x HDMI for video output
- ▶ 2x GbE LAN for Ethernet
- ▶ 4x USB 3.0, 2x USB 2.0, 2x RS232/422/485 for peripherals
- ▶ 1x 2.5" SATA HDD / SSD, 1x eSATA, 1x mSATA for storage
- ▶ 2x mPCIe for expansion
- ▶ Passive cooling design without fans and vents



▶ MECHANICAL DIMENSIONS



► TECHNICAL INFORMATION

System	Processor	Intel® Core™ i5-4300U (Dual Core, 3M Cache, up to 2.90 GHz, FCBGA1168, 15 W TDP) Intel® Core™ i7-4650U (Dual Core, 4M Cache, up to 3.30 GHz, FCBGA1168, 15 W TDP) Intel® Celeron® 3765U (Dual Core, 2M Cache, 1.90 GHz, FCBGA1168, 15 W TDP) Intel® Core™ i5-5350U (Dual Core, 3M Cache, up to 2.90 GHz, FCBGA1168, 15 W TDP) Intel® Core™ i7-5650U (Dual Core, 4M Cache, up to 3.20 GHz, FCBGA1168, 15 W TDP)
	Memory	2x DDR3L 1333 / 1600 SO-DIMM up to 16 GByte
Video	Graphics	Intel® HD Graphics (model w/ Celeron® 3765U) Intel® HD Graphics 4400 (model w/ Core™ i5-4300U) Intel® HD Graphics 5000 (model w/ Core™ i7-4650U) Intel® HD Graphics 6000 (model w/ Core™ i5-5350U, i7-5650U)
	Display Interface Multiple Display	2x HDMI (on rear, 3840 x 2160 @ 60 Hz) Dual
Audio	Audio Codec Audio Interface	Realtek ALC662-VD 1x Line-in (on front) 1x Line-out (on front) 1x Mic-in (on front) 1x S/PDIF (on front)
Network Connection	Ethernet	2x GbE LAN (RJ45 on rear, 1x Intel® I217-LM, 1x Realtek RTL8111G-CG)
Peripheral Connection	USB	4x USB 3.0 (2x Type A on front, 2x Type A on rear)
	Serial Port	2x USB 2.0 (Type A on rear) 2x RS232/422/485 (DB9 on rear)
Storage & Expansion		1x 2.5" SATA HDD / SSD 1x eSATA (w/ power supply, on front) 1x mSATA (full size) 2x mPCIe (1x full size, 1x half size) 1x SIM Card Cage
Power	Connector Input Voltage Power Adapter	Lockable DC Jack (on rear) DC 19 V AC to DC, 100 V ~ 240 V
Firmware	BIOS Watchdog H/W Monitor Real Time Clock TPM iAMT	AMI uEFI BIOS w/ 128 Mb SPI Flash Programmable WDT to generate system reset event Voltages, Temperatures Processor integrated RTC Supported for model w/ Core™ i5 / i7 CPU (Infineon SLB 9635 TPM 1.2) Supported for model w/ Core™ i5 / i7 CPU
System Control & Monitoring	Button, Switch & Indicator	1x Power Button w/ LED (on front) 1x Reset Button (on front) 1x HDD LED (on front) 1x Wireless LED (on front) 1x External Power Button (on rear)
Cooling	Cooling Method	Passive
Software	OS Support	Windows 7, Windows 8, Linux
Mechanical	Construction Dimensions (W x D x H) Weight Mounting	Aluminum Chassis 220 mm x 153.3 mm x 38 mm / 8.66" x 6.04" x 1.50" 1600 g / 3.53 lb VESA Mount
Environmental	Operation Temperature Storage Temperature Humidity	0 °C ~ 50 °C / 32 °F ~ 122 °F -20 °C ~ 80 °C / -4 °F ~ 176 °F 0 % ~ 90 %
Certification	EMC & Safety	CE, FCC Class A

► ORDERING INFORMATION

ARTICLE	DESCRIPTION
KBox E-200	Intel® Core™ i5-4300U Processor, w/ TPM, w/ iAMT
KBox E-201	Intel® Core™ i7-4650U Processor, w/ TPM, w/ iAMT
KBox E-202	Intel® Celeron® 3765U Processor, w/o TPM, w/o iAMT
KBox E-203	Intel® Core™ i5-5350U Processor, w/ TPM, w/ iAMT
KBox E-204	Intel® Core™ i7-5650U Processor, w/ TPM, w/ iAMT
OPTIONAL ACCESSORIES	
VESA MOUNTING KIT	Hole pattern: 100 mm x 100 mm & 75 mm x 75 mm

► GLOBAL HEADQUARTERS

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