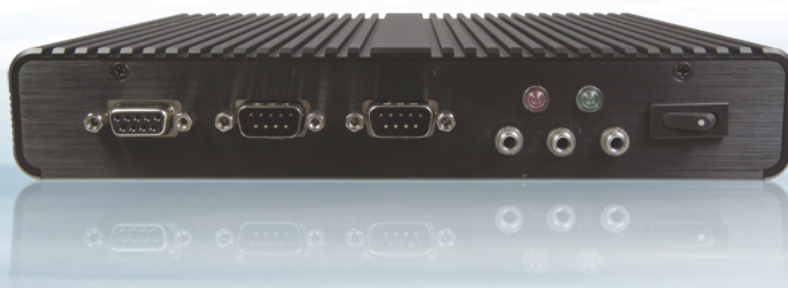


KBox E-210 SERIES

FANLESS & 4K UHD SUPPORT



FANLESS BOX PC WITH 7TH / 6TH GEN INTEL® CORE™ / CELERON® U-SERIES CPU

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

POSSIBILITIES START HERE



KBox E-210 SERIES

FANLESS BOX PC WITH 7TH / 6TH GENERATION INTEL® CORE™ / CELERON® U-SERIES PROCESSORS

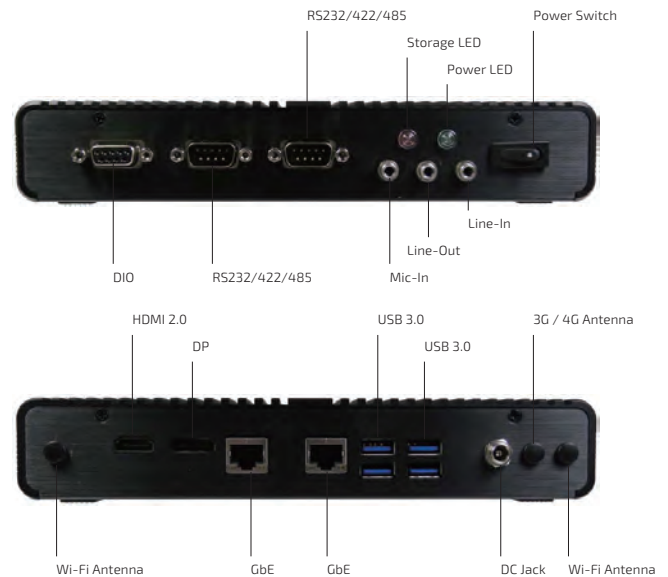
Power by 7th / 6th Generation Intel® Core™ / Celeron® U-Series Processors, KBox E-210 Series is a fanless box PC that can deliver excellent processing and graphical performance to respond to the requirements for the state-of-the-art applications. Equipped with one HDMI 2.0 port, it supports 4K resolution, higher data rate, wider bandwidth and ultra-wide display, making it an ideal platform for digital signage or audio / video data intensive applications.

It has one 2.5" SATA 3.0 HDD / SSD supported, allowing double read / write speed. In addition, a M.2 socket enables multi-functional integration, such as satellite navigation, WWAN and SSDs.

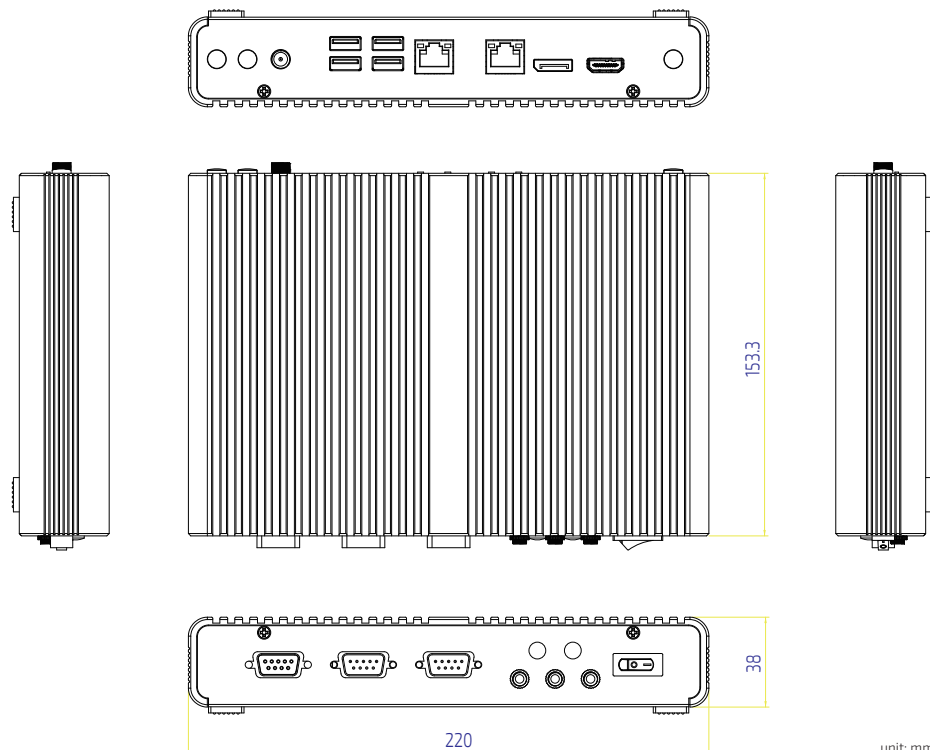
Finally, it is enclosed within a rugged aluminum chassis with ventilation slots, allowing it installed outdoors without fear of dust ingress.

PRODUCT HIGHLIGHTS

- ▶ 7th / 6th Gen Intel® Core™ / Celeron® U-Series Processors
- ▶ 2x DDR4 SO-DIMM memory socket
- ▶ 1x DP, 1x HDMI 2.0 for video output
- ▶ 2x GbE LAN for Ethernet
- ▶ 4x USB 3.0 for USB device connection
- ▶ 2x RS232/422/485 for serial device connection
- ▶ 1x DIO for device / signal control
- ▶ 1x 2.5" SATA 3.0 HDD / SSD for storage
- ▶ 1x mPCIe for WLAN / Bluetooth / WWAN expansion
- ▶ 1x M.2 Key B for SSD / WWAN expansion
- ▶ Passive cooling design without fans and vents
- ▶ Extended temperature model available: -20 °C ~ 70 °C



MECHANICAL DIMENSIONS



unit: mm

► TECHNICAL INFORMATION

SYSTEM	PROCESSOR	Intel® Skylake Core™ i5-6300U (Dual Core, 3M Cache, up to 3.00 GHz, FCBGA1356, 15 W TDP) Intel® Kaby Lake Core™ i5-7300U (Dual Core, 3M Cache, up to 3.50 GHz, FCBGA1356, 15 W TDP) Intel® Kaby Lake Core™ i7-7600U (Dual Core, 4M Cache, up to 3.90 GHz, FCBGA1356, 15 W TDP) Intel® Kaby Lake Celeron® 3965U (Dual Core, 2M Cache, 2.20 GHz, FCBGA1356, 15 W TDP) Intel® Kaby Lake Core™ i3-7100U (Dual Core, 3M Cache, 2.40 GHz, FCBGA1356, 15 W TDP) 2x DDR4 2133 1.2 V SO-DIMM up to 32 GByte
	MEMORY	
VIDEO	GRAPHICS	Intel® HD Graphics 520 (Skylake Core™ CPU) Intel® HD Graphics 610 (Kaby Lake Celeron® CPU) Intel® HD Graphics 620 (Kaby Lake Core™ CPU)
	DISPLAY INTERFACE	1x HDMI 2.0 (on rear, 4096 x 2160 @ 60 Hz) 1x DP (on rear, 4096 x 2304 @ 60 Hz)
	MULTIPLE DISPLAY	Dual
AUDIO	AUDIO CODEC	Realtek ALC662
	AUDIO INTERFACE	1x Line-in (on front) 1x Line-out (on front) 1x Mic-in (on front)
NETWORK CONNECTION	ETHERNET	2x GbE LAN (RJ45 on rear, 1x Intel® I219-LM, 1x Intel® I210-AT)
PERIPHERAL CONNECTION	USB	4x USB 3.0 (Type A on rear)
	SERIAL PORT OTHER I/Os	2x RS232/422/485 (DB9 on front) 1x DIO (DB9 Female on front)
STORAGE & EXPANSION	SATA	1x 2.5" SATA 3.0 HDD / SSD
	mPCIe M.2	1x mPCIe Socket (full size) 1x M.2 Key B Socket (type 2242)
POWER	INPUT VOLTAGE	DC 12 V (default) DC 24 V or other options (by request)
	CONNECTOR	Lockable DC Jack (on rear)
FIRMWARE	BIOS	AMI uEFI BIOS w/ 128 Mb SPI Flash
	WATCHDOG H/W MONITOR REAL TIME CLOCK TPM iAMT	Programmable WDT to generate system reset event Voltages, Temperatures Processor integrated RTC Supported for models w/ Core™ i7 / i5 (Infineon SLB 9665 TPM 2.0) Supported for models w/ Core™ i7 / i5
SYSTEM CONTROL & MONITORING	BUTTON, SWITCH & INDICATOR	1x Power Switch (on front) 1x Power LED (on front) 1x Storage LED (on front)
COOLING	COOLING METHOD	Passive
SOFTWARE	OS SUPPORT	Windows 10, Linux
MECHANICAL	CONSTRUCTION	Aluminum Chassis
	DIMENSIONS (W x D x H) WEIGHT MOUNTING	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	0 °C ~ 50 °C / 32 °F ~ 122 °F (Standard) -20 °C ~ 70 °C / -4 °F ~ 158 °F (Extended)
	STORAGE TEMPERATURE HUMIDITY	-20 °C ~ 80 °C / -4 °F ~ 176 °F 0 % ~ 90 %
CERTIFICATION	EMC & SAFETY	CE Class A, FCC Class A

► ORDERING INFORMATION

ARTICLE	DESCRIPTION
KBox E-210	Intel® Skylake Core™ i5-6300U, w/ TPM, Operating temperature: 0 °C ~ 50 °C
KBox E-213	Intel® Kaby Lake Core™ i5-7300U, w/ TPM, Operating temperature: 0 °C ~ 50 °C
KBox E-214	Intel® Kaby Lake Core™ i7-7600U, w/ TPM, Operating temperature: 0 °C ~ 50 °C
KBox E-215	Intel® Kaby Lake Celeron® 3965U, w/o TPM, Operating temperature: 0 °C ~ 50 °C
KBox E-216	Intel® Kaby Lake Core™ i3-7100U, w/o TPM, Operating temperature: 0 °C ~ 50 °C
KBox E-213-ET	Intel® Kaby Lake Core™ i5-7300U, w/ TPM, Operating temperature: -20 °C ~ 70 °C
KBox E-214-ET	Intel® Kaby Lake Core™ i7-7600U, w/ TPM, Operating temperature: -20 °C ~ 70 °C
KBox E-215-ET	Intel® Kaby Lake Celeron® 3965U, w/o TPM, Operating temperature: -20 °C ~ 70 °C
KBox E-216-ET	Intel® Kaby Lake Core™ i3-7100U, w/o TPM, Operating temperature: -20 °C ~ 70 °C

ACCESSORIES

ARTICLE	PART NO.	DESCRIPTION
SATA DATA / POWER CABLE	0C5020000004860L	7+15P, 150 mm (Pre-installed in the system)
POWER ADAPTER (depending on model)	0I0902WDS060101L 0I0902GST60A101L	Input: AC 100 V ~ 240 V, Output: 12 V, 60 W, w/ lock (standard temp.) Input: AC 100 V ~ 240 V, Output: 12 V, 60 W, w/ lock (extended temp.)
POWER CORD (depending on country)	0C5060000000020L 0C5060000000030L 0C5060000000040L 0C5060000000070L 0C5060000000090L 0C5060000000110L	EU type US type UK type JP type CN type AU type
VESA MOUNTING KIT *	0ZMM650000000400	Hole pattern: 100 mm x 100 mm & 75 mm x 75 mm
WI-FI + BT EXPANSION KIT *	0ZHKAWCB161H0001	Wi-Fi 2.4 GHz / 5 GHz + Bluetooth 4.0 Class I kit w/ antennas
WINDOWS 10 OS * (depending on model)	0ZW498E000030000 0ZW498E000040000	Win 10 IoT 2016 LTSB ENG x64 High End Kit (Core i7-6600U / i7-7600U) Win 10 IoT 2016 LTSB ENG x64 Value Kit (others)

(* : Optional)

► PRODUCT CONTACT POINT

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