

KBox F-100 / 110 SERIES

BIG PERFORMANCE IN A SMALL BOX



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

- ▶ 1x DP, 1x HDMI for video output
- ▶ 1x GbE LAN for Ethernet
- ▶ 4x USB 3.0, 1x RS232/422/485 for peripheral connection
- ▶ 1x 2.5" SATA 3.0 HDD / SSD for storage
- ▶ 1x mPCIe for expansion

POSSIBILITIES START HERE



KBox F-100 / 110 SERIES

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

KBox F-100 /110 Series is a Box PC enclosed within a palm-sized aluminum chassis. It can easily fit into any space environment. Powered by 7th / 6th Generation Intel® Core™ / Celeron® U-Series processors, it delivers excellent processing and graphics performance to applications requiring intense data throughput, especially for video / image data.

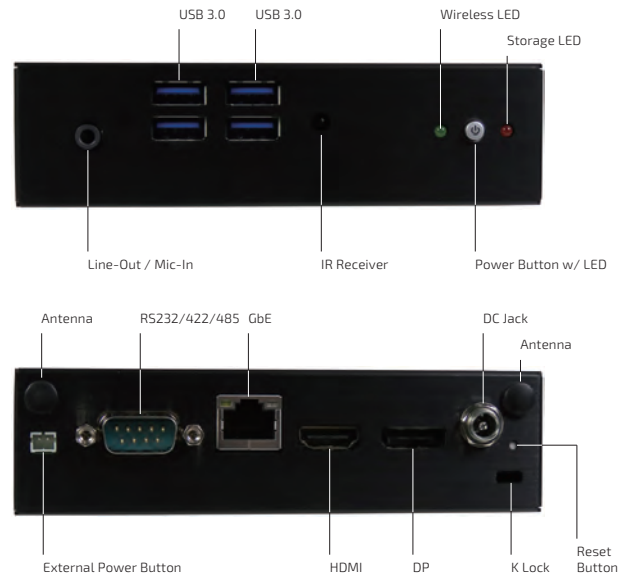
DP port, four USB 3.0 ports and one COM port, KBox F-100 Series provides flexible network connection and peripheral integration.

In addition, it has an IR receiver on front panel and allows users to remotely control the box PC itself or the content that is displayed on connected screens.

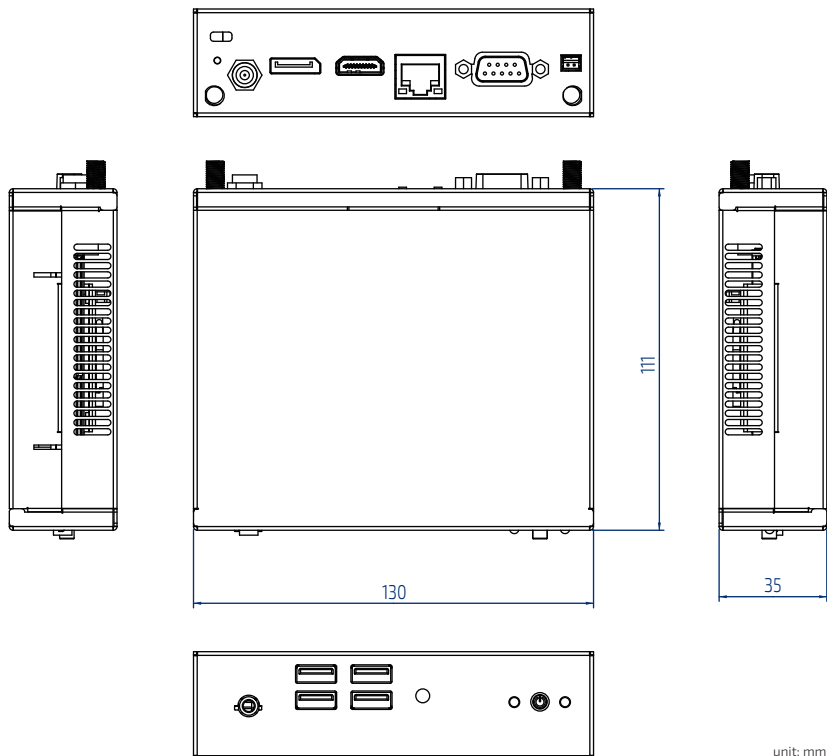
Having one LAN port on rear, one mPCIe socket, one HDMI port, one

▶ PRODUCT HIGHLIGHTS

- ▶ 7th / 6th Gen Intel® Core™ / Celeron® U-Series CPUs (15 W TDP)
- ▶ 2x DDR4 SO-DIMM memory socket
- ▶ 1x DP, 1x HDMI for video output
- ▶ 1x GbE LAN for Ethernet
- ▶ 4x USB 3.0 for USB device connection
- ▶ 1x RS232/422/485 for serial device connection
- ▶ 1x 2.5" SATA 3.0 HDD / SSD for storage
- ▶ 1x mPCIe for wireless connection expansion
- ▶ An IR receiver on front for infrared remote control
- ▶ Mini size of only 0.6 liter



▶ MECHANICAL DIMENSIONS



► TECHNICAL INFORMATION

SYSTEM	PROCESSOR	Intel® Core™ i5-7200U (Dual Core, 3M Cache, up to 3.10 GHz, FCBGA1356, 15 W TDP) Intel® Celeron® 3965U (Dual Core, 2M Cache, 2.20 GHz, FCBGA1356, 15 W TDP) Intel® Core™ i5-6200U (Dual Core, 3M Cache, up to 2.80 GHz, FCBGA1356, 15 W TDP) 2x DDR4 2133 SO-DIMM up to 32 GByte
	MEMORY	
VIDEO	GRAPHICS	Intel® HD Graphics 620 (Core™ i5-7200U) Intel® HD Graphics 610 (Celeron® 3965U) Intel® HD Graphics 520 (Core™ i5-6200U)
	DISPLAY INTERFACE	1x DP (on rear, 4096 x 2304 @ 60 Hz)
	MULTIPLE DISPLAY	1x HDMI (on rear, 4096 x 2160 @ 24 Hz) Dual
AUDIO	AUDIO CODEC	Realtek ALC662
	AUDIO INTERFACE	1x Line-out / Mic-in (on front)
NETWORK CONNECTION	ETHERNET	1x GbE LAN (RJ45 on rear, Intel® I219)
PERIPHERAL CONNECTION	USB	4x USB 3.0 (Type A on front)
	SERIAL PORT	1x RS232/422/485 (DB9 on rear)
STORAGE & EXPANSION	SATA	1x 2.5" SATA 3.0 HDD / SSD
	mPCIe	1x mPCIe (full size)
	SIM CARD HOLDER	1x SIM Cage (by cable, optional)
POWER	INPUT VOLTAGE & CONNECTOR	DC 12 V ~ 19 V (Lockable DC Jack on rear) DC 24 V (2-pin Phoenix Connector on rear)
FIRMWARE	BIOS	AMI uEFI BIOS w/ 128 Mb SPI Flash
	WATCHDOG	Programmable WDT to generate system reset event
	H/W MONITOR	Input & Core Voltages, CPU & System Temperatures
	REAL TIME CLOCK	Processor integrated RTC
	SECURITY	TPM 2.0 (optional, Infineon SLB 9665)
SYSTEM CONTROL & MONITORING	BUTTON, SWITCH & INDICATOR	1x Power Button w/ LED (on front) 1x External Power Button (on rear) 1x Reset Button (on rear) 1x IR Receiver (on front) 1x Storage LED (on front) 1x Wireless LED (on front)
COOLING	FAN	1x CPU Smart Fan
SOFTWARE	OS SUPPORT	Windows 10, Linux
MECHANICAL	CONSTRUCTION	Aluminum Chassis
	DIMENSIONS (W x D x H)	130 mm x 111 mm x 35 mm / 5.12" x 4.37" x 1.38"
	WEIGHT	400 g / 0.97 lb
	MOUNTING	VESA Mount
ENVIRONMENTAL	OPERATION TEMPERATURE	0 °C ~ 50 °C / 32 °F ~ 122 °F
	STORAGE TEMPERATURE	-20 °C ~ 80 °C / -4 °F ~ 176 °F
	HUMIDITY	0 % ~ 90 %
CERTIFICATION	EMC & SAFETY	CE Class A, FCC Class A

▶ ORDERING INFORMATION

ARTICLE	DESCRIPTION
KBox F-100	Intel® Core™ i5-6200U, DC Jack (DC 12 V ~ 19 V)
KBox F-110	Intel® Core™ i5-7200U, DC Jack (DC 12 V ~ 19 V)
KBox F-113	Intel® Celeron® 3965U, DC Jack (DC 12 V ~ 19 V)
KBox F-114	Intel® Core™ i5-7200U, Phoenix Connector (DC 24 V)
ACCESSORIES	
POWER ADAPTER	Input: AC 100 V ~ 240 V, Output: DC 12 V (supplied only for DC Jack model)
POWER ADAPTER *	Input: AC 100 V ~ 240 V, Output: DC 24 V (only for Phoenix connector model)
POWER CORD	EU / US / UK / JP / CN / AU type depending on country (supplied in case power adapter is supplied)
TERMINAL BLOCK	2 pins (supplied only for Phoenix connector model)
VESA MOUNTING KIT *	Hole pattern: 100 mm x 100 mm & 75 mm x 75 mm
WIFI+BT MODULE KIT *	Azurewave AW-CB161H w/ Antenna, 170mm Cable, Mylar, Bracket

The asterisk (*) means optional item.

▶ PRODUCT CONTACT POINT

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