

# KBox F-100 SERIES

## BIG PERFORMANCE IN A SMALL BOX

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### MINI BOX PC WITH INTEL® SKYLAKE / KABY LAKE U-SERIES PROCESSORS

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

## KBox F-100 SERIES

### MINI BOX PC WITH INTEL® SKYLAKE / KABY LAKE U-SERIES PROCESSORS

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

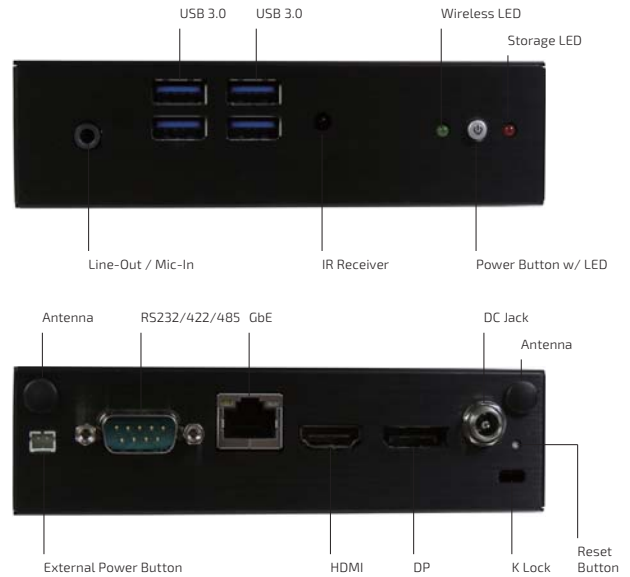
DP port, four USB 3.0 ports and one COM port, KBox F-100 Series provides flexible network connection and peripheral integration.

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.

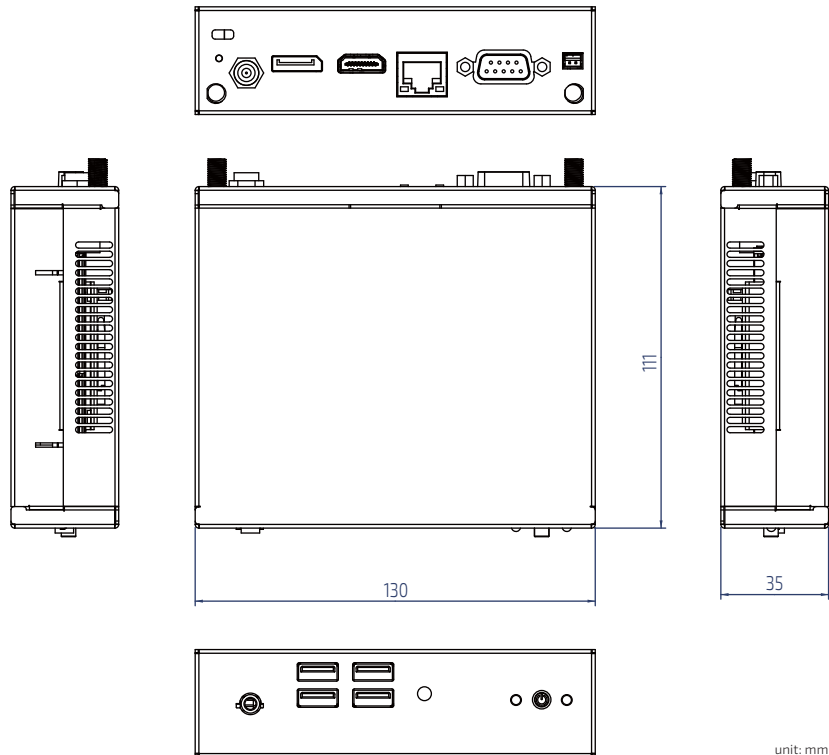
Having one LAN port on rear, one mPCIe socket, one HDMI port, one

#### ▶ PRODUCT HIGHLIGHTS

- ▶ Intel® Skylake / Kaby Lake U-Series Processors (15W TDP)
- ▶ 2x DDR4 SO-DIMM memory socket
- ▶ 1x HDMI, 1x DP for video output
- ▶ 1x GbE LAN for Ethernet
- ▶ 4x USB 3.0, 1x RS232/422/485 for peripheral connection
- ▶ 1x 2.5" SATA HDD / SSD for storage
- ▶ 1x mPCIe for 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™ i5-6200U (Dual Core, 3M Cache, up to 2.80 GHz, FCBGA1356, 15 W TDP) Intel® Core™ i5-7200U (Dual Core, 3M Cache, up to 3.10 GHz, FCBGA1356, 15 W TDP)
	Memory	2x DDR4 2133 SO-DIMM up to 32 GByte
Video	Graphics	Intel® HD Graphics 520 (Core™ i5-6200U) Intel® HD Graphics 620 (Core™ i5-7200U)
	Display Interface	1x HDMI (on rear, 4096 x 2304 @ 24 Hz) 1x DP (on rear, 4096 x 2304 @ 60 Hz)
	Multiple Display	Dual
Audio	Audio Codec Audio Interface	Realtek ALC662 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		1x 2.5" SATA HDD / SSD 1x mPCIe (full size) 1x SIM Cage (by cable, optional)
Power	Connector	Lockable DC Jack (on rear)
	Input Voltage Power Adapter	DC 12 V ~ 19 V (default) DC 24 V or other options (by request) AC to DC, 100 V ~ 240 V
Firmware	BIOS Watchdog H/W Monitor Real Time Clock TPM	AMI uEFI BIOS w/ 128 Mb SPI Flash Programmable WDT to generate system reset event Input & Core Voltages, CPU & System Temperatures Processor integrated RTC Optional (Infineon SLB 9665 TPM 2.0)
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 Mounting	400 g / 0.97 lb 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, FCC Class A

## ▶ ORDERING INFORMATION

ARTICLE	DESCRIPTION
KBox F-100	Intel® Core™ i5-6200U
KBox F-101	Intel® Core™ i5-7200U
<b>OPTIONAL ACCESSORIES</b>	
VESA MOUNTING KIT	Hole pattern: 100 mm x 100 mm & 75 mm x 75 mm

## ▶ GLOBAL HEADQUARTERS

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