

KBox F-200 SERIES

POWERFUL GRAPHICS PERFORMANCE



BOX PC WITH INTEL® HASWELL S-SERIES PROCESSORS

- ▶ 2x DP, 1x DVI-I for display output
- ▶ 2x GbE LAN for Ethernet
- ▶ 6x USB, 1x RS232/422/485 for peripheral connection
- ▶ 1x 2.5" SATA 2.0 HDD / SSD Slot, up to 2x mSATA for storage
- ▶ Up to 2x mPCIe for expansion

POSSIBILITIES START HERE



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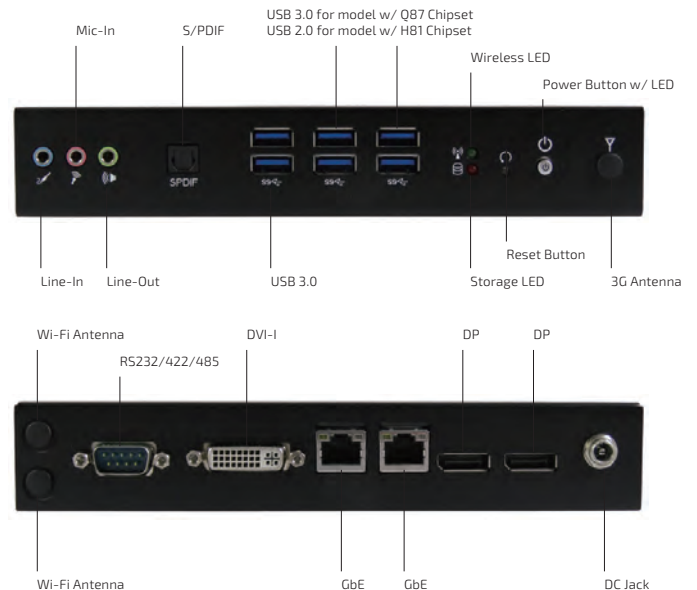
BOX PC WITH INTEL® HASWELL S-SERIES PROCESSORS

KBox F-200 Series is an embedded box PC featuring its excellent performance for 4th Generation Intel® Haswell S-Series Core™ i Processors as well as two DDR3 SO-DIMM memory sockets. Moreover, it comes with a variety of I/O ports and expansion slots for peripheral functions or possible future upgrades, including 1x DVI-I, 2x DP, 2x GbE LAN, 6x USB, 1x RS232/422/485 and up to 2x mPCIe.

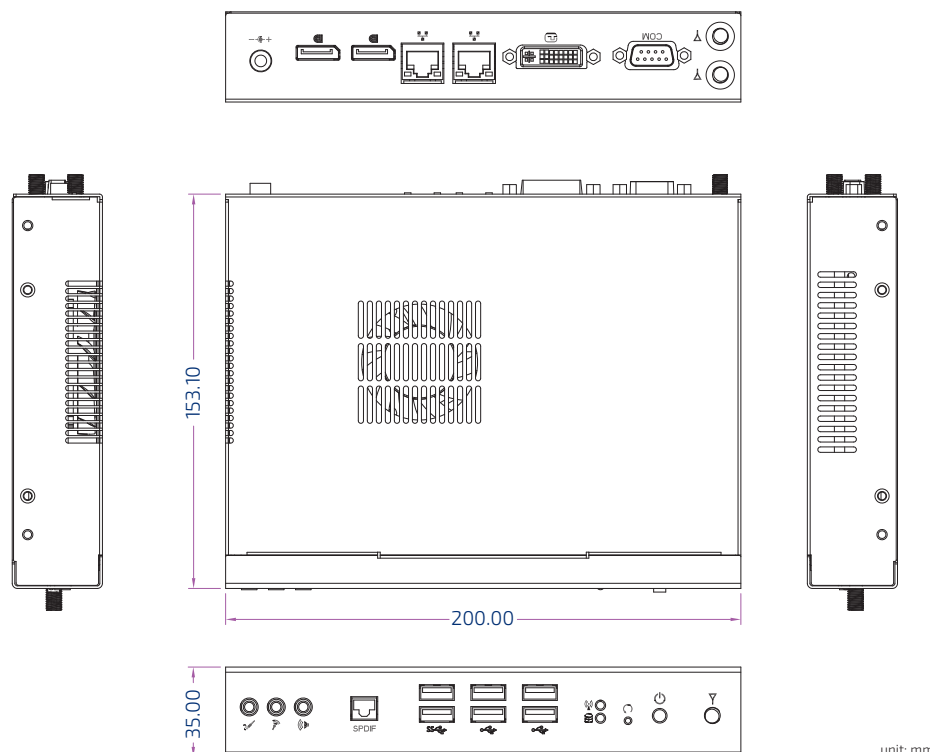
Enclosed in a compact housing, KBox F-200 Series is easily installed in space critical environments. It is therefore highly suited to a wide range of video- / image-intense applications such as Digital Signage, Kiosk, Gaming Machines, Video Surveillance, or passenger / customer information system both in public and private sectors.

PRODUCT HIGHLIGHTS

- ▶ Intel® Haswell S-Series Processors (FCLGA1150 Socket)
- ▶ Intel® H81 / Q87 Express Chipset
- ▶ 2x DDR3 SO-DIMM memory socket
- ▶ 2x DP, 1x DVI-I for video output
- ▶ Triple display support
- ▶ 2x GbE LAN for Ethernet
- ▶ 6x USB, 1x RS232/422/485 for peripherals
- ▶ 1x 2.5" SATA HDD / SSD, up to 2x mSATA for storage
- ▶ Up to 2x mPCIe for expansion



MECHANICAL DIMENSIONS



► TECHNICAL INFORMATION

System	Processor Chipset	4th Generation Intel® Haswell S-Series Processors (FCLGA1150 socket) Intel® H81
	Memory	Intel® Q87 2x DDR3 1333 / 1600 SO-DIMM up to 16 GByte
Video	Graphics Display Interface	Intel® HD Graphics / 4600 / 4400 2x DP (on rear, 2560 x 1600 @ 60 Hz) 1x DVI-I (on rear, 1920 x 1200 @ 60 Hz)
	Multiple Display	Triple
Audio	Audio Codec	Realtek ALC662
	Audio Interface	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 Intel® I210-AT)
Peripheral Connection	USB	2x USB 3.0 (Type A on front, for model with H81) 6x USB 3.0 (Type A on front, for model with Q87) 4x USB 2.0 (Type A on front, for model with H81)
	Serial Port	1x RS232/422/485 (DB9 on rear)
Storage & Expansion		1x 2.5" SATA HDD / SSD 2x mSATA / mPCIe (1x full size, 1x half size, for model with Q87) 2x mPCIe (1x full size, 1x half size, for model with H81) 1x SIM Card Cage
Power	Connector	Lockable DC Jack (on rear)
	Input Voltage Power Adapter	DC 19 V AC to DC, 100 V ~ 240 V
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 Input & Core Voltages, CPU & System Temperatures Chipset integrated RTC Supported for model with Q87 (Infineon SLB 9635 TPM 1.2) Depending on processor
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)
Cooling	Fan	1x CPU Smart Fan
Software	OS Support	Windows 7, Windows 8, Linux
Mechanical	Construction	Metal Chassis
	Dimensions (W x D x H) Weight Mounting	200 mm x 153.1 mm x 35 mm / 7.87" x 6.03" x 1.38" 1000 g / 2.20 lb VESA Mount
Environmental	Operation Temperature	0 °C ~ 40 °C / 32 °F ~ 104 °F
	Storage Temperature Humidity	-20 °C ~ 80 °C / -4 °F ~ 176 °F 0 % ~ 90 %
Certification	EMC & Safety	CE, FCC Class A

► ORDERING INFORMATION

ARTICLE	DESCRIPTION
KBox F-200	Intel® H81 Chipset, 2x USB 3.0, 4x USB 2.0, 2x mPCIe, w/o TPM
KBox F-201	Intel® Q87 Chipset, 6x USB 3.0, 2x mSATA / mPCIe, w/ TPM
OPTIONAL ACCESSORIES	
VESA MOUNTING KIT	Hole pattern: 100 mm x 100 mm & 75 x 75 mm

► GLOBAL HEADQUARTERS

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