

High-Performance Box Computer

IVTK-BC-7501

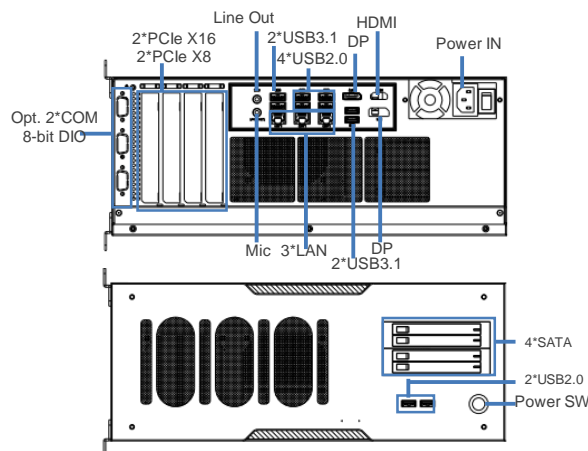
Intel® Coffee Lake LGA1151 CPU, 3*LAN, 4*USB3.1, 1*HDMI, 2*DP, 3*4K Displays, 4*PCIe slots, 4*SATA3, ATX 400W Power.



IVTK-BC-7501 is a high-performance & AI Box Computer. It powered by Intel® Coffee Lake series processor, Intel® Q370/C246 Chipset, 4*DDR4 2666/2400MHz dual channel memory, up to 64GB. 2*DP1.2+1*HDMI1.4b. 3*GbE LAN, 4*USB3.1, 1*Mini PCIe supports 4G/WiFi/BT. 4*2.5" SATA HDD/SSD, support RAID 0/1/5/10, 1*M.2 M-Key, support NVMe. support multiple PCIe expansion, flexible to meet application requirements. Workstation level system performance, rich expansion flexibility, industrial level product design which is very suitable for industrial automation, AI edge computing, small intelligent workstations, multimedia service systems, visual control and so on.

Key Features

- Intel® Xeon® / 8th Gen Core™ i7/i5/i3 processor
- Intel® Q370/C246 Chipset
- 4*DDR4 2400/2666MHz DIMM, Up to 64GB
- 2*DP+1*HDMI, Support 3 independent displays
- 3*LAN, 4*USB3.1, Optional 1*COM, 8-bit DIO
- 1*PCIeX16 or 2*PCIeX8 +2*PCIeX4 expansion
- 1*Mini PCIe & SIM slot, support 4G/WiFi/GSM/BT
- 4*2.5" SATA3.0, 1*M.2 2280 M-Key(NVMe)
- Support AMI 1.2.0, Intel® vPro and TPM2.0
- ATX 400W Power supply



SPEC

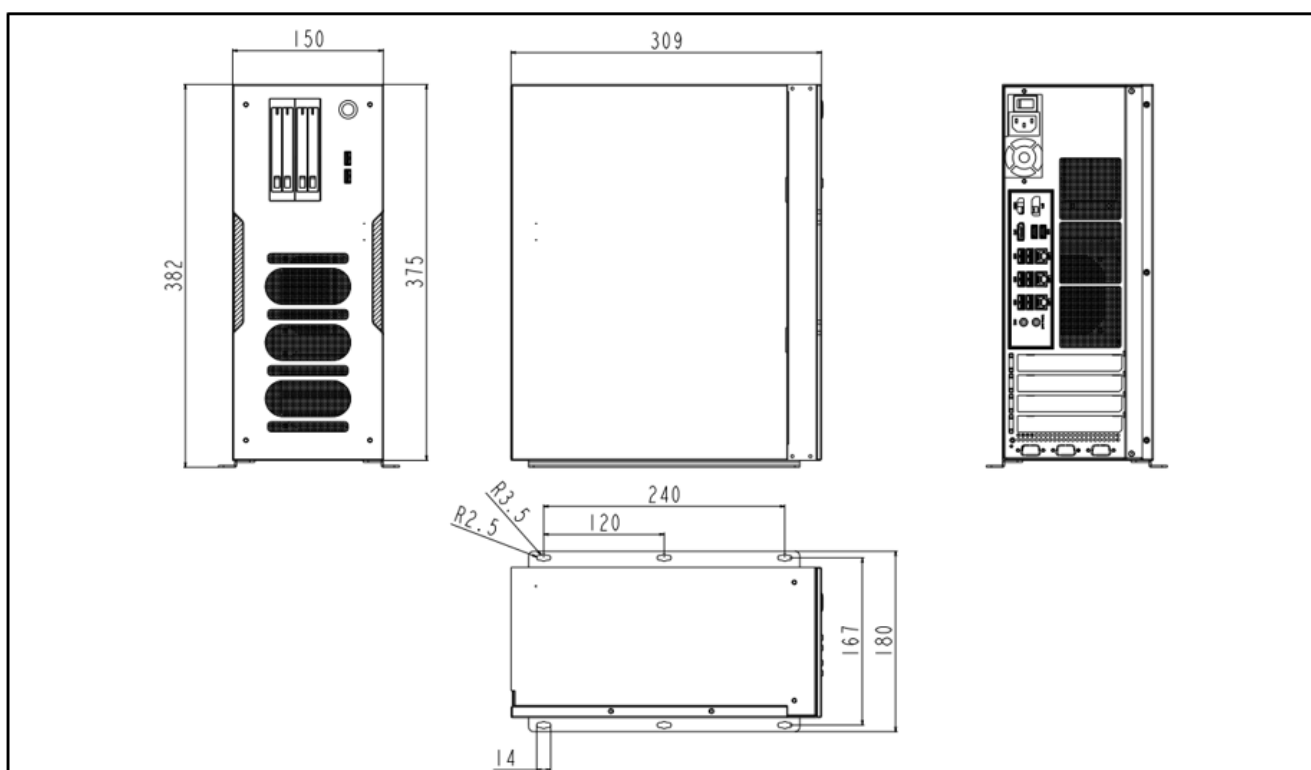
System	CPU	Intel® Xeon® E-2176G/2124G processor, LGA 1151 socket, TDP up to 80W 8th Gen. Intel® Core/Pentium/Celeron processor, LGA 1151 socket, TDP up to 95W
	Chipset	Intel® Q370/C246 Chipset
	System Memory	4*288-Pin DIMM, dual channel DDR4 2666/2400MHz, up to 64GB
	Expansion	1*Full size Mini PCIe with PCIe +USB signal and SIM slot, support 4G LTE/WiFi/BT wireless module 2*PCIe X16 slot(Gen3, support 1*PCIe X16, If another slot is also connected to the device, it will automatically become 2*PCIe X8) 2*PCIe X8 slot (Gen3, 2*PCIe X4 signal)
	Intel Graphics	Intel UHD Graphics, Supports DirectX11.1, OpenGL 5.0 and OpenCL 2.1, DP1.2 max. res. 4096*2304@60Hz, HDMI 1.4b max. res. 3840*2160@30Hz, 3 independent displays
	Audio	Realtek ALC662VD controller, Audio out and MIC, support 5.1 channel
	LAN	2*Intel I210AT+1*Intel I219LM PCIe Gig. Ethernet, 10/100/1000Mbps, support iVpro technology
	Storage	4*2.5" HDD/SSD bay, support RAID0/1/5/10; 1*M.2 2280 M-key, Support NVMe storage
	DIO	Optional 8-bit DIO, TTL signal, programmable input and output
	I/O ports	3*RJ45 Gig-LAN 4*USB3.1 Type A; 6*USB2.0 Type A; 1*USB2.0 Type A(inside) Optional 8-bit DIO (DBG), 2*RS232/422/485(DBG) Audio-out and 1*MIC (3.5mm phone jack) 1*HDMI +2*DP
	LED	1*Power LED, 4*HDD LED
	Control SW	1*Power button
	Power Supply	24-pin ATX, 8-pin ATX 12V, 400W Power supply, Consumption: TBD
	Watchdog Timer	Watchdog time out programmable via software 1 to 255 second
OS Support	Windows 10, Linux Ubuntu 16.04	

* All specifications and photos are subject to change without notice.

Mechanical	Structure	Aluminum-magnesium alloy, SGCC frame
	Color	Black and Grey
	Mounting	Desktop Mounting, Wall-Mounting
	Dimension	(W*H*D) : 150*309*375mm
	Net weight	TBD
Environmental	Operating temperature	-20°C~55°C , SSD, airflow
	Storage Temperature	-40°C~85°C
	Storage Humidity	10~90%@40°C, Non-condensing
	Vibration	5grms /5~500Hz/random/in working(SSD); 1 grms /5~500Hz/random/in working(HDD)
	Shock	50g peak acceleration(11ms duration)(SSD); 20g peak acceleration(11ms duration)(HDD)
Certification/EMC	CE/FCC Class B	

Dimension

Unit: mm



Ordering Info

Model NO.	Introductions
IVTK-BC-7501/S001	High-Performance Box Computer , Intel® Coffeelake LGA1151 CPU, Q370 Chipset, 4*DDR4, 3*LAN, 4*USB3.1, 7*USB2.0, Opt. 2*COM, 1*Mini PCIe, 1*PCIe X16(or 2*PCIeX8), 2*PCIe X4, 1*HDMI, 2*DP, Audio out, Mic, Opt. 8-bit DIO, 4*2.5"SATA bay, 1*M.2 2280 M-Key, TPM2.0, ATX 400W Power
IVTK-BC-7501/S002	High-Performance Box Computer, Intel® Coffeelake LGA1151 CPU, C246 Chipset, 4*DDR4, 3*LAN, 4*USB3.1, 7*USB2.0, Opt. 2*COM, 1*Mini PCIe, 1*PCIe X16(or 2*PCIeX8), 2*PCIe X4, 1*HDMI, 2*DP, Audio out, Mic, Opt. 8-bit DIO, 4*2.5"SATA bay, 1*M.2 2280 M-Key, TPM2.0, ATX 400W Power

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