

## Fanless Embedded Box Computer

# IVTK-BC-2721

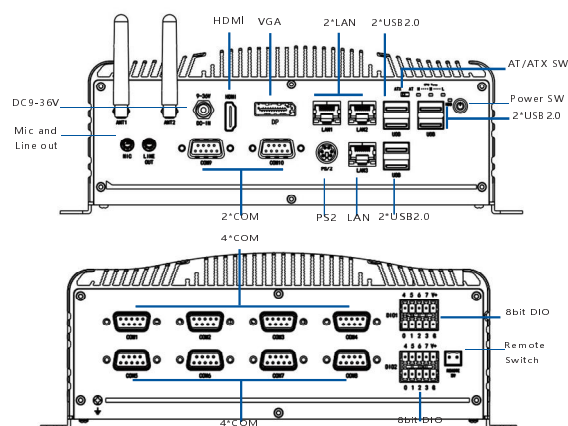
**Intel® Apollolake Soc CPU, 3\*LAN, 7\*USB, 10\*COM, HDMI and DP, DC-IN 9~36V, CPU Temp. show in LED, Audio Line out & Mic, 16 bit DIO.**

### Key Features

- Universal Aluminum Chassis, Fanless Design
- Intel® Apollolake Soc CPU
- 1\*DDR3L 1866MHz SODIMM , Up to 8GB
- 3\*Intel I211-AT PCIe Gig-LAN
- 1\*HDMI and 1\*DP, Audio Line out and Mic
- 2\*USB3.0, 5\*USB2.0, 10\*COM, 16 bit DIO
- 1\*M.2 2242 B-Key
- 1\*2.5" SATA3 Bay and 1\*mSATA DC
- 9~36V Wide Power Input



Universal dimension box computer IVTK-BC-2721, PCB to PCB mult structure, and fanless design. Powered by Intel® Apollolake Soc CPU, DDR3L 1866MHZ SODIMM memory, up to 8GB. 3\*Gig-LAN, 2\*USB3.0, 5\*USB2.0 (1 inside), HDMI and DP dual 4K display, 16-bit DIO, 1\*M.2 2242 B-key, 1\*mSATA and 1\*2.5" SATA bay. DC 9~36V wide power input, Operating temperature showing in LED, economic and reliable, it will be fit for IoT terminal and manufacture application



### SPEC.

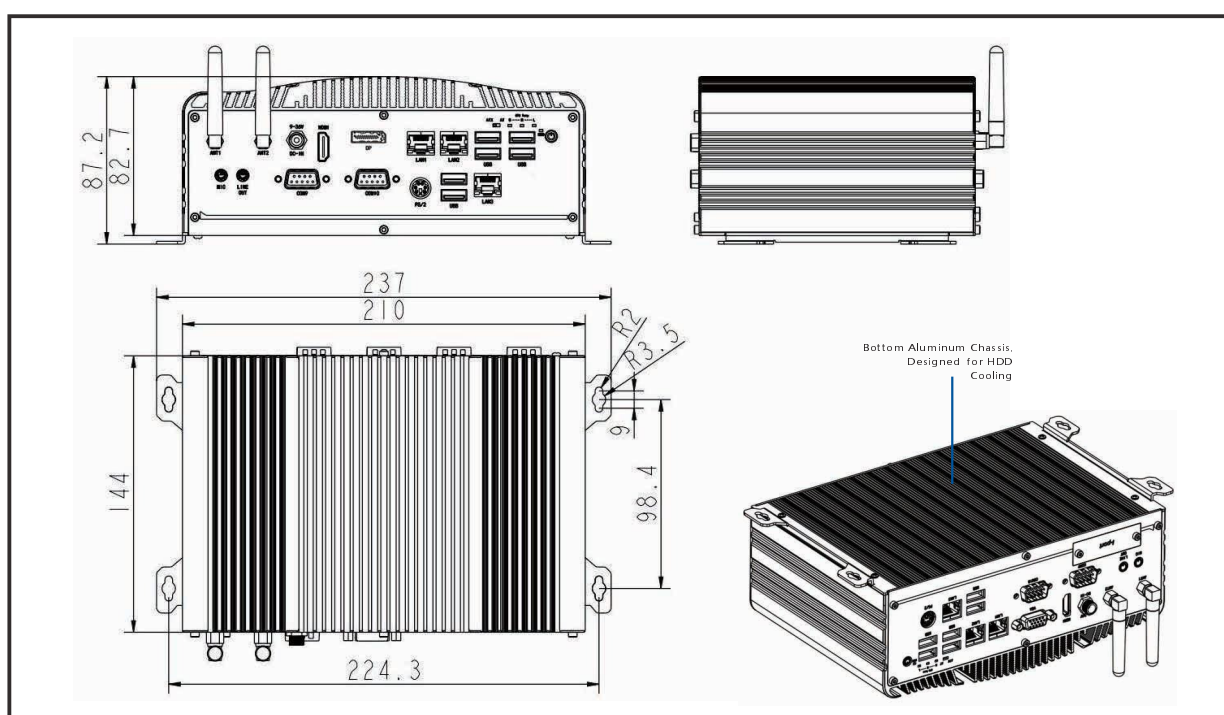
System	<b>CPU</b>	Intel® Apollolake Soc CPU
	<b>System Memory</b>	1*DDR3L 1866MHz SODIMM, Up to 8GB
	<b>Expansion</b>	1*M.2 22K2 B-key, PCIeX1 and USB with SIM slot, support 4G LTE /Wifi/BT etc. ; 1*Full size Mini PCIe with USB+SATA3 signal, used to be mSATA
	<b>Graphics</b>	Gen. 9th Intel HD Graphics, HDMI res. 3840*2160@30Hz, DP res. 4096*2160@60Hz, Dual independent 4K display, Support OpenGL 3.2, DirectX 11, OpenCL 1.2, MPGE2/H.264
	<b>Audio</b>	Realtek ALC662 HD Audio, Support 5.1 sound channel
	<b>LAN</b>	3*Intel I211-AT PCIe Gigabit Ethernet, Integrated 10/100/1000M transceiver
	<b>KB &amp; MS</b>	PS/2&USB keyboard and mouse
	<b>Storage</b>	1*2.5" HDD bay, SATA3 6.0Gbps, cooling by aluminum cover; 1*mSATA full size, dual AHCI
	<b>DIO</b>	16-bit TTL signal, Programmable input and output
	<b>I/O Ports</b>	3*RJ45 LAN with LED (Front) ; 2*USB3.0 Type A and 4*USB2.0 Type A(Front) ,1*USB2.0 Type A (Inside) 2*5Pin 8bit DIO terminal connector (Rear); 2*5Pin 8bit DIO terminal connector(Rear) 6*RS232/422/485 and 2*RS232 Db9 connector(Rear), 2*RS232/422/485 Db9 (Front) 1*HDMI and 1*DP(Front); 1*Line-out and 1*Mic, dual 3.5mm phone jack(Front) 1*2pin terminal connector with power sw signal (Rear)
	<b>LED</b>	1*Power on LED, 1*HDD Run LED, 3*CPU temp. LED(Red: Warning, Yellow: High, Green: Normal)
<b>Control SW</b>	1*Power sw(Front), 1*2pin term. power sw (Rear), 1*AT/ATX Select dip(Front)	
<b>Power Supply</b>	DC 9~36V Input, D-Jack with M8 screw (Front) ; Consumption: TBD	
<b>Watchdog Timer</b>	Watchdog timeout programmable via software 1 to 255 second	
<b>OS Support</b>	Windows 7, Windows 8.1, Windows 10, Linux Fedora Ubuntu	

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

<b>Mechanical</b>	<b>Structure</b>	U form Aluminum Chassis, SGCC frame
	<b>Color</b>	Silvery
	<b>Mounting</b>	Desktop mounting
	<b>Dimension</b>	(W*H*D) : 210*144*82.7mm
	<b>Net Weight</b>	2.60kg
<b>Environmental</b>	<b>Operating temperature</b>	-20°C~70°C - Fanless with wide operating temp. SSD, Airflow -10°C~55°C - Fanless with HDD, Airflow
	<b>Storage temperature</b>	-40°C~85°C
	<b>Storage humidity</b>	10~90%@40°C, Non-condensing
	<b>Vibration</b>	5 grms/5~500Hz/random/in working(SSD); 1 grms/5~500Hz/random/in working(HDD)
	<b>Shock</b>	50g peak acceleration(1ms duration)(SSD); 20g peak acceleration(1ms duration)(HDD) CE/FCC
	<b>EMC</b>	Class A

## Dimension

Unit: mm



## Ordering Info.

Model NO.	Introduction
IVTK-BC-2721/S001	Fanless Embedded Box Computer, Intel® E3940 CPU, 3*LAN,2*USB3.0, 5*USB2.0,10*COM, 16bit DIO, 1*HDMI, 1*DP, Audio out and Mic, 1*M.2 2242 B-key, 1*mSATA, 1*2.5" HDD bay, DC 9~36V
IVTK-BC-2721/S002	Fanless Embedded Box Computer, Intel® E3930 CPU, 3*LAN,2*USB3.0, 5*USB2.0,10*COM, 16bit DIO, 1*HDMI, 1*DP, Audio out and Mic, 1*M.2 2242 B-key, 1*mSATA, 1*2.5" HDD bay, DC 9~36V
IVTK-PA-60DC12	AC/DC power adapter, DC 12V/5A 60W