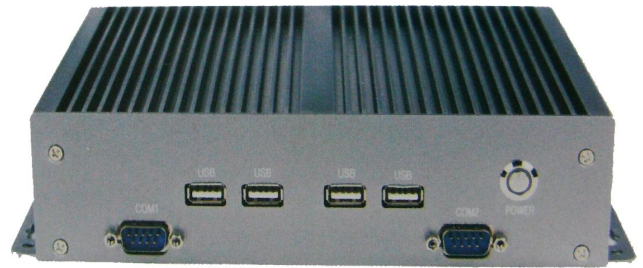
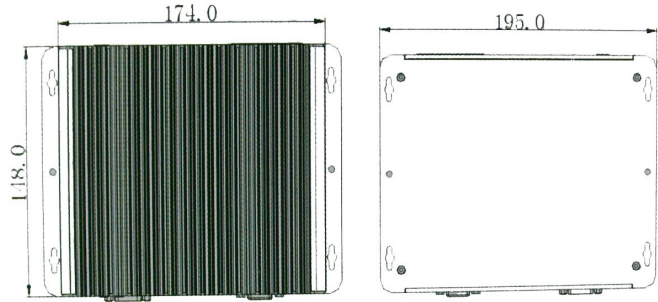
 HBPC100 (industrial control computer without fan)




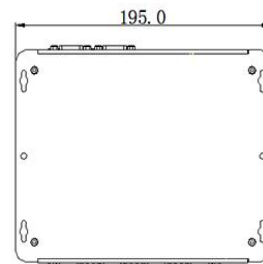
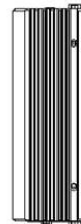
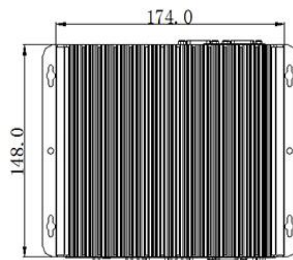
model	BPC-101					
Structural parameters						
Material/structure	alufur					
colour	Milled grey					
measurement	234*211*52mm					
Installation method	Embedded/desktop installation					
Platform configuration						
a main board	Standard Mini-ITX industrial grade					
CPU	Celeron J1900	Support for three generations of Intel® Celeron/Pentium/1	Support for five generations of Intel®	Support for seven generations of Intel®	Support for eight-generation Intel®	Support for ten generations of Intel® Celeron/Pentium
terrace	Based on the Bay Trail platform	Intel based® Haswell - U/Roadwell - U SOC platform	Intel based® Skylake-U platform	Intel based® Skylake/Kabylake-U platform	Intel based® Whiskey Lake-U platform	Intel based® Comet Lake-U platform
Graphics card	Intel® HD Graphics	Intel® HD Graphics 4400		Intel® Irisr™ Graphics 540/550/610	Intel HD Graphics 610	Intel® UHD Graphics 620
internal storage	IDDDR3L SODIMM slot, 1600/1333MHz memory, up to 8GB		2*DDR3L SODIMM socket 1600MHz, maximum support	2*DDR4 SODIMM slot, 2133MHz, up to 32GB	2*DDR4 SODIMM slot, 2400MHz, up to 32GB	2*DDR4 SODIMM slot, 2666MHz, up to 64GB
storage	1*SATA2.0 1*MSATA	1*SATA3.0 1* MSATA		1*SATA3.0, 1*MSATA, 1* M.2 slot		
support system	Win 7, Win 8, Win10 system, Linux					
USB	1*USB3.0, 5*USB 2.0 (single network supports)	2*USB3.0, 4*USB2.0 (single network supports 2*USB2.0)				
Ethernet	1*Realtek RTL8111H gigabit network card, supporting network wake-up and PXE functions (LAN2 and USB1 are optional, two network connections are optional)					
Display interface	1*VGA display output, 1*HDMI display output					
GPIO	4 in and 4 out GPIO					
audio frequency	1*MIC-in, 1*Line-out					
Serial port	6*COM RS232 (485 is optional for COM2)					
source	Standard 12V/5A DC adapter					
PCI expansion	not have					
Expansion slot	1*Mini-PCIE slot, supporting WIFI/4G module (optional)					
work environment	0° C-50° C					
Storage environment	-20° C-60° C					
relative humidity	5% - 95% relative humidity, non-condensing					

 HLQ3750C6 (Fanless industrial computer)




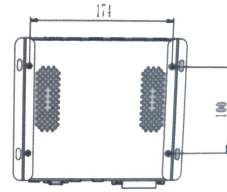
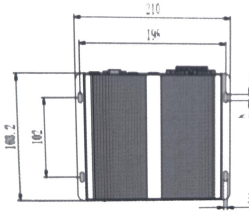
model	HLQ3-750C6				
Structural parameters					
Material/structure	All-aluminum alloy fanless				
colour	Bright silver				
Dimensions (length, width and height)	174mm*148mm*57mm				
Weight (bare metal net weight)	1.35KG				
Installation method	Desktop/in-type				
Main board parameters					
CPU	3865U	4th 13, 15, 17	5th 13, 15, 17	6th 13, 15, 17	7th 13, 15, 7
system platform	Kaby Lake	Haswell	Broadwell	Skylake	Kaby Lake
Graphics card	Intel HD integrated graphics card				
internal storage	2*DDR4SODIMM memory slot, supports dual-channel 2133MHz memory, and supports up to 32GB				
storage	1*SATA2.5 inch hard disk expansion 1*MSATA SSD SSD expansion				
System support	Windows7/10, Ubuntu				
Front panel I/O interface					
POWER	1*Power switch, 1 restart switch				
AC LOSS	1*AC LOSS (Power-on toggle switch)				
USB	2*USB2.0 interface, 1*built-in USB dongle				
SIM	1*SIM card slot, 3G/4G module application				
Phoenix terminal	1*12pin, supporting four in and four out GPIO, switch, 5V				
COM	2*DB9RS232 serial interface				
Rear panel I/O interface					
Display interface	1*VGA interface, 1*HDMI1.4 interface				
LAN	2*Intel WG1211AT Gigabit network card, supporting network wake-up and PXE functions				
USB	4*USB3.0 interface				
COM	4*DB9RS232 serial interface				
audio frequency	1*Line out interface, 1*MIC interface				
source	1*DC power adapter interface, supporting DC12V power input				
Expansion Slots	1*Mini PCIE slot, supporting WIF/4G module 1*M.2 slot, supporting M.2 2260/2280SD, NVMESSD				
Watch Dog	Support hardware reset function (256 levels, 0-255 seconds)				
working temperature	-10° C~60C				
Storage temperature	-20° C~70C				
relative humidity	5%-95% relative humidity, non-condensing				
Working vibration	0.5grms/5-500HZ/random/operating				

 HLQ3750L4 (Fanless industrial computer)

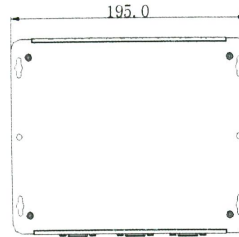
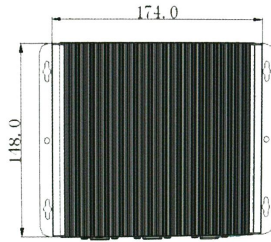


model	HL03-750L4				
Structural parameters					
Material/structure	All-aluminum alloy fanless				
colour	Bright silver				
Dimensions (length, width and height)	174mm*148mm*57mm				
Weight (bare metal net weight)	1.35KG				
Installation method	Desktop/embedded				
Main board parameters					
CPU	3865U	4th 13,1517	5th 13, 15, 17	6th 13, 15, 17	7th 13, 15, 17
system platform	KabyLake	Haswell	Broadwell	Skylake	KabyLake
Graphics card	Intel HD integrated graphics card				
internal storage	2*DDR4 SODIMM memory slot, supports dual-channel 2133MHz memory, and supports up to 32GB				
storage	1*SATA2.5 inch hard disk expansion 1*MSATASSD SSD expansion				
System support	Windows7/10, Ubuntu				
Front panel I/O interface					
POWER	1 power switch, 1*restart switch				
AC Loss	1*AC LOSS (Power-on toggle switch)				
UsB	2*USB2.0 interface, 1*built-in USB dongle				
SIM	1*SIM card slot, 3G/4G module application				
Phoenix terminal	1*12pin, supporting four in and four out GPIO, switch, 5V				
COM	/				
Rear board I/O interface					
Display interface	1VGA interface, 1*HDMI1.4 interface				
LAN	6*Intel@WGI211AT Gigabit network card, supporting network wake-up and PXE functions				
USB	4*USB3.0 joggle				
COM	1*CISCO (RJ45) serial interface supports RS232, 1*COM (DB9) The serial interface supports RS485/RS232 switching				
audio frequency	1*Line out interface, 1*MIC interface				
source	1*DC power adapter interface, supporting DC12V power input				
Expansion Slots	1*Mini PCIE slot, supporting WIFI/4G module				
Watch Dog	Support hardware reset function (256 levels, 0-255 seconds)				
working temperature	-10° C~60C				
Storage temperature	-20° C~70C				
relative humidity	5% - 95% relative humidity, non-condensing				
Working vibration	0.5g rms/5-500HZ/random/operating				

 HLA4 (Visual industrial computer)

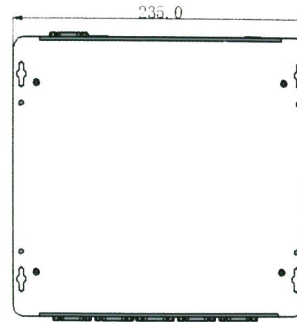
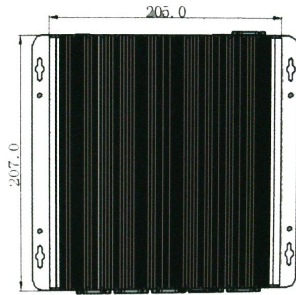


model	HLA4		
Material/structure	alufur		
colour	Bright silver		
Dimensions (length, width and height)	210*163.2*41.8mm		
Weight (net weight)	1.5KG		
Platform configuration			
CPU	Intel 3867U 1.8Ghz		
System chip	because of Intel Kaby Lake		
internal storage	1*S0-DDR4, up to 16GB 2133/2400MHz		
Graphics card	integration Intel® HDGraphics610		
storage	1 standard 7Pin SATA interface, maximum transmission rate 6Gb/s, with 1 SATAPWR interface, and 1 M-SATA interface, maximum transmission rate 6Gb/s		
System support	Windows7/10, Linux Ubuntu		
Front panel I/O interface			
USB	2*USB3.0		
LAN	Five Intel211AT10M/100M/1000M adaptive network cards, of which LAN1/LAN2/LAN3/LAN 4 supports POE power output function		
Power input	1*DC power adapter interface supports DC24V power input and output		
Rear board I/O interface			
Display interface	1*VGA interface		
USB	5*USB2.0 interface		
COM	2COM RS232+4COMRS232 (3PIN Phoenix terminal)		
circuit changer	power switch		
Expansion Slots	1*SATA, 1*MiniPCIE (with SIM card slot supporting 4G)		
Watch Dog	Support hardware reset function (256 levels, 0-255 seconds)		
working temperature	-10°C~60°C		
Storage temperature	-20° C~70C		
relative humidity	5%-95% relative humidity, non-condensing		



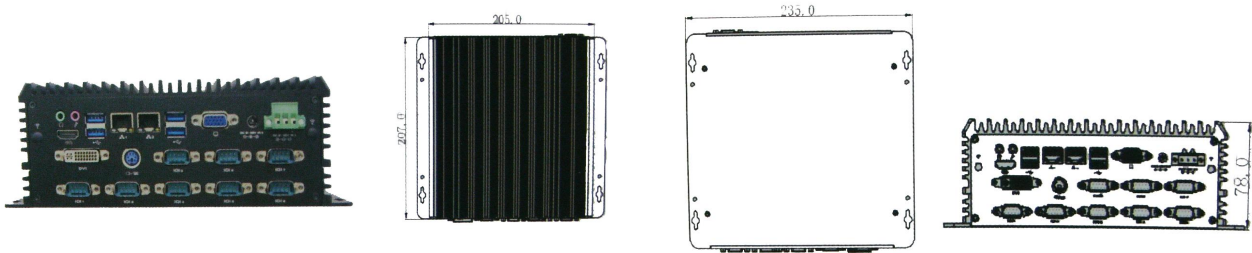
model	HLQ3-760H2	FLO3-760R6			
Structural parameters					
Material/structure	全铝合金无风扇				
colour	亮黑色				
Dimensions (length, width and height)	174mm*148mm*78mm		174mm*148mm*57mm		
Weight (bare metal net)	1.6KG				
Installation method	Desktop/embedded				
Main board parameters					
CPU	3865U	4th 13,15,17	5th 13,15,17	6th 13,15,17	7th 13,15,17
system platform	Kaby Lake	Haswell	Broadwell	Skylake	Kaby Lake
Graphics card	Intel HD integrated graphics card				
internal storage	2*DDR4SODIMM memory slot, supporting 2133MHz memory, with a maximum support of 32GB				
storage	1*SATA2.5 inch hard disk expansion 1*MSATASSD SSD expansion				
System support	Windows7/10, Ubuntu				
Front panel I/O interface					
POWER	1*Power switch, 1*Reset switch				
AC LOSS	1*ACLOSS (Power on/off toggle switch)				
USB	3*USB2.0 joggle				
SIM	1*SIM Card slot				
Phoenix terminal	/	1*12pin, Support four-in and four-out GPIO, switch, 5V			
P52	/	1*PS/2 keyboard and mouse interface			
Rear board I/O interface					
Display interface	1VGA interface, 2*HDMI interface		1*VGA interface, 1*HDMI interface		
LAN	2*Intel® WGI211AT Gigabit network card, supporting network wake-up and PXE		3*Intel® WGI211AT Gigabit network card, supporting network wake-up and PXE functions		
USB	4*USB3.0 interface		4*USB3.0 joggle		
COM	6*RS232 (including 2*DB9 interface; 4*RS232/485 Phoenix terminal is also supported, and photoelectric isolation is provided)		6*RS232 serial interface and RS485 support		
Phoenix terminal	2*10pin, supporting 4 RS232/485 serial ports, with isolation, four in and four out GPIO, switch, 5V		/		
PS2	1*PS2 interface		/		
audio frequency	1*Line out interface, 1*MIC interface				
source	1*DC power adapter interface, 1*3Pin power interface, supporting 9~36V power input				
Expansion Slots	1*MiniPCIE slot, supporting WIF/4G module 1*M.2 slot, support M.22260/2280SSD, support NVMESSD				
Watch Dog	Support hardware reset function (256 levels, 0-255 seconds)				
working temperature	-10° C~60° C				
Storage temperature	-20° C~70C				
relative humidity	5%-95% relative humidity, non-condensing				
Working vibration	0.5grms/5-500HZ/random/operating				

 HLQ3-850C6 (Fanless industrial computer)




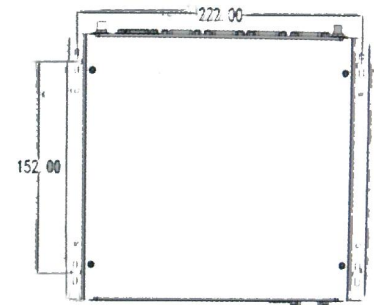
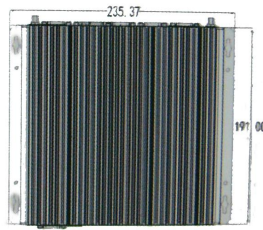
model	HLQ3-850C6				
Structural parameters					
Material/structure	All-aluminum alloy fanless				
colour	Bright black				
Dimensions (length, width, height)	L205*207W*H57mm				
Weight (bare metal)	2.10KG				
Installation method	Desktop/embedded				
Main board parameters					
CPU	3865U	4th 13, 15, 17	5th 13, 15, 17	6th 13, 15, 17	7th 13, 15, 17
system platform	Kaby Lake	Haswell	Broadwell	Skylake	Kaby Lake
Graphics card	Intel HD integrated graphics card				
internal storage	2*DDR4 SODIMM memory slot, supporting 2133MHz memory, with a maximum support of 32GB				
storage	1*SATA2.5 inch hard disk expansion 1*MSATASSD SSD SSD expansion				
System support	Windows7/10, Ubuntu				
Front panel I/O interface					
POWER	1*Power switch, 1*Reset switch				
AC LOSS	1*AC LOSS (Power on/off toggle switch)				
USB	3*USB2.0 joggle				
Phoenix terminal	1*12pin, Support four-in and four-out GPIO, switch, 5V				
PS2	1*PS2 joggle				
COM	1*RS232 serial interface, supporting RS485 mode selection through jumper				
SIM	1*SIM Card slot				
Rear panel I/O interface					
Display interface	1*VGA interface, 1 HDMI interface				
LAN	2*IntelWG1211AT Gigabit network card, supporting network wake-up and PXE functions				
USB	4*USB3.0 joggle				
COM	5*RS232DB9 serial interface, COM5 supports RS485 mode				
audio frequency	1*Lineout interface, 1*MIC interface				
source	1*DC power adapter interface, 1*3Pin power interface, supporting 9~36V power input and output				
Expansion Slots	1*MiniPCIE slot, supporting WIFI/4G module 1*M.2 slot, support M.22260/2280 SSD, support NVMESSD				
Watch Dog	Support hardware reset function (256 levels, 0-255 seconds)				
working temperature	-10° C~60C				
Storage temperature	-20° C~70C				
relative humidity	5% - 95% relative humidity, non-condensing				
Working vibration	0.5g rms/5-500HZ/random/operating				

 HLQ3860C10 (Fanless industrial computer)



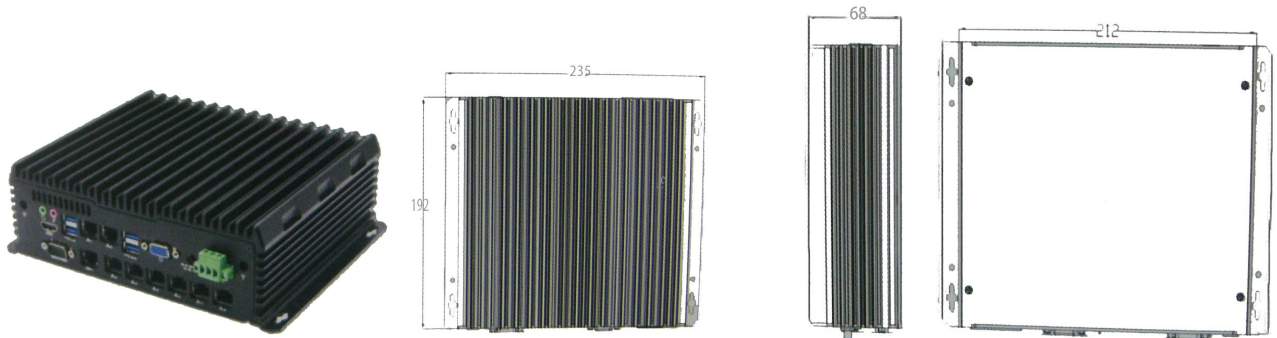
model	HL03-860C10				
Structural parameters					
Material/structure	All-aluminum alloy fanless				
colour	Bright black				
Dimensions (length, width and height)	L205*W207*H78mm				
Weight (bare metal net weight)	2.45KG				
Installation method	Desktop/embedded				
Main board parameters					
CPU	3865U	4th 13, 15, 17	5th 13, 15, 17	6th 13, 15, 17	7th 13, 15, 17
system platform	Kaby Lake	Haswell	Broadwell	Skylake	KabyLake
Graphics card	Intel HD integrated graphics card				
internal storage	2*DDR4 SODIMM memory slot, supporting 2133MHz memory, with a maximum support of 32GB				
storage	1*SATA2.5 inch hard disk expansion 1*MSATA SSD expansion				
System support	Windows7/10, Ubuntu				
Front panel 1/0 interface					
POWER	1*Power switch, 1*Reset switch				
AC LOSS	1*AC LOSS (Power on/off toggle switch)				
USB	3*USB2.0 joggle				
Phoenix terminal	1*12pin, supporting four in and four out GPIO, switch, 5V				
COM	2DB9RS232 serial interface can support RS485 function				
SIM	1*SIM Card slot				
Rear panel 1/0 interface					
Display interface	1*VGA interface, 1*HDMI interface, 1 DVI interface				
LAN	2*Intel® WG1211AT Gigabit network card, supporting network wake-up and PXE functions				
USB	4*USB3.0 joggle				
COM	8*DB9RS232 serial interface, COM7, COM8 support RS485 function				
PS2	1*PS2 joggle				
audio frequency	1*Lineout interface, 1*MIC interface				
source	1 DC power adapter interface, 1*3 pin power interface, supporting 9~36V power input and output				
Expansion Slots	1*Mini PCIE slot, supporting WIFI/4G module 1*M.2 slot, support M.22260/2280 SSD, support NVMESSD				
Watch Dog	Support hardware reset function (256 levels, 0-255 seconds)				
working temperature	-10° C~60° C				

 HLQ3870PE (Fanless industrial computer)




model	HFLO3L-870PE				
Structural parameters					
Material/structure	All-aluminum alloy fanless				
colour	Bright black				
Dimensions (length, width and height)	L236*W191*H119mm				
Installation method	Desktop/embedded				
Main board parameters					
CPU	3865U	6th 13, 15, 17	7th 13, 15, 17	8th 13, 15, 17	3865U
system platform	KabyLake	Skylake	KabyLake	Whiskey Lake	Kaby Lake
Graphics card	Intel HD integrated graphics card				
internal storage	2*DDR4 SODIMM memory slot, supporting dual-channel 2133MHz memory up to 32GB				
storage	1*SATA2.5 inch hard disk expansion 1*MSATA SSD SSD expansion				
System support	Windows10, Ubuntu				
Front panel I/O interface					
POWER	1*Power switch, 1*Reset switch				
AC LOSS	1*AC LOSS (Power on/off toggle switch)				
USB	4*USB2.0 joggle				
Phoenix terminal	1*12pin, supporting four in and four out GPIO, with isolation, switch, 5V				
PS/2	1*PS/2 Keyboard and mouse interface				
SIM	1*SIM card slot, 3G/4G module application				
LED	1*power indicator, 1*hard disk indicator				
Rear panel I/O interface					
Display interface	1*VGA interface, 1*HDMI1.4 interface				
LAN	2*Intel® WGI211AT Gigabit network card, supporting network wake-up and PXE functions				
USB	4*USB3.0 joggle				
COM	6*DB9RS232 serial interface, COM1/2 supports the 9th pin electrification, COM1~4 supports RS485/232 switching, with photoelectric isolation				
audio frequency source	1*Line out interface, 1*MIC interface 1*DC power adapter interface, 1*3Pin power interface, supporting 9~36V power input				
Expansion Slots	1*Mini PCIE slot, supporting WIFI/4G module 1*PCIE X16 slot, supporting PCIE expansion				
Watch Dog	Support hardware reset function (256 levels, 0-255 seconds)				
working temperature	-10° C~60C				
Storage temperature	-20° C~70C				
relative humidity	5% - 95% relative humidity, non-condensing				
Working vibration	0.5g rms/5-500HZ/random/operating				

 HLQ3950P4 (Fanless AI industrial computer)



型号	HLQ3L950P4				
Structural parameters					
Material/structure	All-aluminum alloy fanless				
colour	Bright black				
Dimensions (length, width and height)	L235*W192*H68mm				
Installation method	Desktop/embedded				
Main board parameters					
CPU	3865U	6th 13,15,17	7th 13, 15, 17	8th 13,15, 17	3865U
system platform	KabyLake	Skylake	KabY Lake	Whiskey Lake	Kaby Lake
Graphics card	Intel HD integrated graphics card				
internal storage	2*DDR4 SODIMM memory slot, supports dual-channel 2133MHz memory, and supports up to 32GB				
storage	1*SATA2.5 inch hard disk expansion				
System support	Windows10, Ubuntu				
Front panel I/O interface					
POWER	1*Power switch, 1*Reset switch				
AC LOSS	1*AC LOSS (Power on/off toggle switch)				
USB	3*USB2.0 interface, 1 * built-in USB dongle				
Phoenix terminal	1*12pin, supporting four in and four out GPIO, switch, 5V				
PS2	1*PS2 joggle				
LED	1*power indicator, 1*hard disk indicator				
SIM	1*SIM card slot, 3G/4G module application				
Rear board I/O interface					
Display interface	1*VGA interface, 1*HDMI1.4 interface				
LAN	8* Intel® WGI211AT Gigabit network card, supporting network wake-up and PXE functions, LAN3~6 supporting POE functions				
USB	4*USB3.0 joggle				
COM	1*DB9 RS232 serial interface supports RS232/485 switching, supports the 9th pin electrification function, 1*RJ45 CONSOLE standard serial port, supports RS232/485 switching				
audio frequency	1*Line out interface, 1*MIC interface				
source	1*DC power adapter interface, 1*3Pin power interface, supporting 9~36V power input				
Expansion Slots	1*Mini PCIE slot, supporting WIFI/4G module, Note: WIFI and LAN8 are the default LAN8				
Watch Dog	Support hardware reset function (256 levels, 0-255 seconds)				
working temperature	-10° C~60C				
Storage temperature	-20° C~70C				
relative humidity	5%-95% relative humidity, non-condensing				
Working vibration	0.5g rms/5-500HZ/random/operating				

 HLA3336 (High-performance visual industrial computer)



model		HLA3-336
chassis	colour	black
	measurement	275*230*90(length * width * height)
	material quality	Galvanized steel plate
a main board	processor	Support Intel's 6th/7th/8th/9th generation Celeron/Pentium Core 3/i5/i7 in LGA1151 processor
	Chipset	Intel B365
	BIOS	AMI 64Mb BIOS, ACPI supported, Support the call startup function
internal storage	Technical architecture	Support 2 DDR4 2133-2666MHz desktop memory
	volume	Up to 16GB and up to 32GB for a single lineB
	slot	2*DDR4-DIMM
display output	Graphic controller	Built-in processor with display function - support Intel HD Graphics (specific model depends on the processor)
	HDMI output	1*HDMI
	VGA	1*VGA
	Multi-display	Integrated graphics card supports VGA, HDMI synchronous or asynchronous dual display output
Network interface	RJ45	Built-in 6*Intel WGI211AT 10M/100M/1000M adaptive network card; Support network wake-up (LAN1/LAN2), diskless startup, including 4 optional POEs
	WIFI	Optional
	SIM	Built-in 1*SIM card slot, optional 4G module
lay in	SATA	2 standard 7Pin SATAII interfaces, maximum transmission rate 6Gb/s
	M-SATA	1 MSATA interface, SATA3.0 high-speed storage
audio frequency	Line Out	The built-in Realtek ALC662 chip supports the front F AUDIO pin output - Line out/Mic in, and the rear Jack Line out/Mic in interface (1 rear LINE IN is reserved)
	Line In	
USB	USB2.0	Built-in 6*USB2.0 (exportable)
	USB3.0	External 8*USB3.0
Serial port	Rs232	Built-in 10 COM (exportable)
	Rs485	COM1&COM2 sustain RS485
Expansion interface	PCIEX16	1 PCIEX16 slot, supporting PCIe devices such as graphics card, hard disk array card, expansion card, etc
	Ps2 KB/MS	1 KB/MS PIN1*7 pin with white enclosure
	LPT/GPIO	1*J_LPT/GPIO pin arrangement, supports LPT function, and can provide 16-way GPIO control (LPT and GPIO functions can be used in one of two ways)
Expansion interface	watchdog	Support 4~255 second watchdog timer
	voltage	Support main (CPU voltage/DDR voltage/3.3V/5V/12V) voltage detection
	temperature	Support CPU temperature detection (Intel PROC PECI technology)
	electric fan	Support CPU fan speed detection and intelligent fan control
Hardware encryption source	TPM TPM2.0 hardware encryption (preselected) ATX 24Pin+8Pin ATX electric	
LED status light	Built-in 1 * LAN_ LED Header (support LAN1&LAN2&LAN3&network status light LAN4&LAN5&LAN6 LINK ACTIVE indication)	
temperature	working temperature	-10~50° C
	ambient temperature	-10~50° C

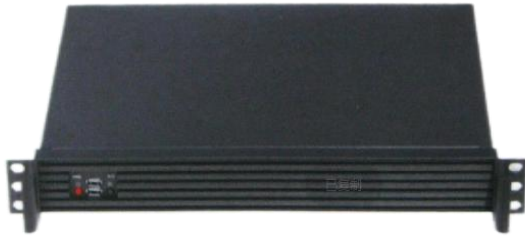


model	Hnano-100			
Structural parameters				
Material/structure	全铝合金无风扇			
colour	亮黑色			
Dimensions (length, width and height)	139mm*129mm*41mm			
Installation method	桌面型/嵌入式			
Main board parameters				
CPU	J1900	6th 13, 15, 17	7th 13, 15, 17	8th 13, 15, 17
system platform	KabyLake	Skylake	KabyLake	Whiskey Lake
Graphics card	集成Intel@UHD Graphics 600核心显卡			
internal storage	1*S0-DIMM 内存插槽, 支持单通道1600/1333MHZ DDR3L/1.35V内存, 最大支持8GB			
storage	1*7pin SATA3.0硬盘接口, 传输速率达6Gbps 1*mSATA3.0插槽(长卡)			
System support	Windows 7/Windows 10/Linux			
Front panel I/O interface				
USB	4*USB 2.0 joggle			
audio frequency	1*Line out and MIC two-in-one interface			
COM	2*DB9 RS232 serial port (RS232 by default, COM1 and COM2 can support RS485 through phish)			
AC LOSS	1*Hard disk indicator			
POWER	1*Switch button with light			
Rear panel I/O interface				
Display interface	1*HDMI1.4 display interface, 1*VGA display interface			
USB	1*USB 3.0 interface, 1*USB 2.0 interface			
LAN	2*RJ-45 Gigabit network interface			
source	1*12V~19VDC Power input interface			
BIOS	64Mb Flash ROM			
Expansion Slots	1*Mini-PCIe slot (both half card and long card are supported), optional WIFI/4G module			
Power supply type	DC 12V~19V power supply is adopted			
Watch Dog	Support hardware reset function (256 levels, 0~255 seconds)			
working temperature	-10° C~60C			
Storage temperature	-20° C~70C			
relative humidity	5%-95% relative humidity, non-condensing			
Working vibration	0.5g rms/5-500HZ/random/operating			

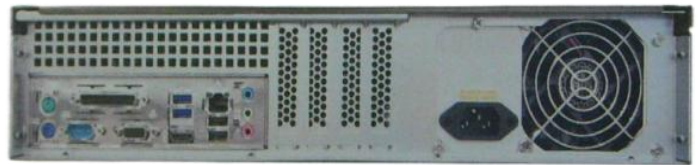


model	K20	K201	K21	K32	K42
CPU	Quanzhi A40i	Quanzhi A40i	Ruixin Micro RK3368	Ruixir Micro RK3288	Ruixin Micro RK3399
CPU type	Tetranuclear Cortex-A7 1.2Ghz	Tetranuclear Cortex-A7 1.2Ghz	Eight nuclei Cortex-A53 1.5GHz	Tetraruclear Cortex-A17 1.8GHz	Double Cortex-A72 large core+four Cortex-A53
GPU	Mali-400 MP2	Mali-400 MP2	GC6110	Mali-T764	Mali-T860
DDR	1GB	1GB	1GB, Optional 2GB	2GB, Optional 4GB	3GB, Optional 4GB
Flash	8GB Maximum support 64GB	16GB Maximum support 64GB	16GB Maximum support 128GB	16GB Maximum support 128GB	16GB Maximum support 128GB
Bluetooth 4.0	Optional	Standard configuration	Standard configuration	Standard configuration	Standard configuration
HDM export	1.4	1.4	2.0	2.0	2.0
Maximum HDM resolution	1920*1080	1920*1080	4K	4K	4K
2.4GWiFi	802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n	802.11b/g/n
5GWiFi	×	×	×	×	Optional
Network interface	10/100Mbps	10/100Mbps	10/100Mbps	10/100Mbps	10/100/1000Mbps
4G Network	×	Optional	Optional	Optional	Optional
SIM seat	×	Optional	Optional	Optional	Optional
TF block	maximum 128GB	maximum 128GB	maximum 128GB	maximum 128GB	maximum 128GB
USBHost	6-way USB2.0	6-way USB2.0	6-way USB2.0	6-way USB2.0	5-way USB2.0/1 way 3.0
ADB shakedown test	MicroUSBOTG	MicroUSBOTG	MicroUSBOTG	MicroUSBOTG	Type-C OTG
Serial port	2-way TTL serial port	Two 232 serial ports	Two 232 serial ports	Two 232 serial ports	Two 232 serial ports
audio interface	3-segment 3.5mm audio port	3-segment 3.5mm audio port	3-segment 3.5mm audio port	3-segment 3.5mm audio port	3-segment 3.5mm audio port
watchdog	Standard configuration				
Real time clock	Standard configuration				
infrared remote control	Standard configuration				
source	9V~15V wide voltage DC				
measurement	157*125*28mm				
working temperature	-40° C~70C	-40° C~70C	0C~60C	-20° C~70C	-20° C~70C
Android system	7.1	7.1	5.1/6.0	5.1/6.0/7.1	7.1/8.1
linux	qt/Debian9 /Ubuntu18.04	qt/Debian9 /Ubuntu18.04	×	qt/Debian9 /Ubuntu18.04	qt/Debian9 /Ubuntu18.04
Google Firmware	×	×	Standard configuration	Standard configuration	Standard configuration

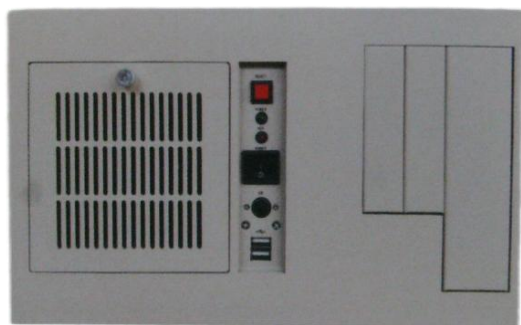
 HPC-100(1U industrial machine)



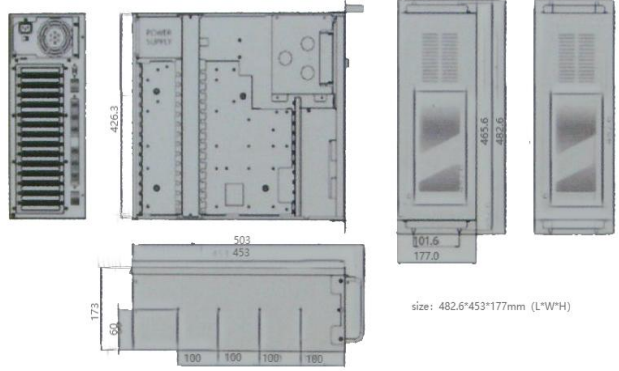
model	FPC-100	
Material/structure	Aluminum panel+sheet metal structure	
colour	black	
Dimensions (length, width and height)	430*420*45mm 1U Standard rack mounting	
Platform configuration		
a main board	Mini-ATX a main board	
CPU	sustain LGA1150 4th Intel® Core™ i3/i5/i7/Celeron/Pentium processor	sustain LGA1151 6th Intel® Core™ i3/i5/i7/Celeron/Pentium SKYLAKE-S processor
system platform	Based on Haswell, H81 chipset is adopted	Based on Intel H110 chipset
internal storage	2*DDR3 SODIMM memory socket, supporting dual channels	2*DDR4 DIMM memory slot, supports dual-channel 2133/1866MHz memory, and supports up to 32GB
storage	1*SATA3.0 hard disk interface and 1*SATA2.0 hard disk interface	2*SATA3.0 Hard disk interface
System support	Windows 7/8/10/Linux	
display output	1*HDMI display output interface+1*VGA display output interface	
USB joggle	2*USB3.0 interface, 4*USB2.0 interface	4*USB3.0 interface, 2*USB2.0 interface
audio interface	2*Audio interface (Line Out/MIC-IN)	
Network interface	1*RTL8111F Gigabit network card chip, supporting network wake-up PXE function	2*RTL8111H Gigabit network card supports network wake-up/PXE function
COM	2*DB9 RS232 serial interface, COM1 9Pin has power function	
Power input	1U power supply 220V input	
Expansion Slots	1*MINI_ PCIE slot, supporting WIFI4G module	
watchdog	Support hardware reset function (256 levels, 0-255 seconds)	
working temperature	-10° C~60° C	
Storage temperature	-20° C~70° C	
relative humidity	5%-95% relative humidity, non-condensing	




model	FPC-200			
Chassis material	High strength galvanized steel plate (black)			
Chassis button	Front switch, LED hard disk indicator, LED system indicator, reset switch			
Overall size	482*400*88.5mm 2U Standard rack mounting			
Platform configuration				
a main board	Micro-ATX motherboard Standard ATX motherboard			
CPU	sustain LGA1155 3th Intel® Core™ i3/i5/i7/Celeron/ Pentiu m processor	sustain LGA1150 4thIntel® Core™ i3/i5/i7/Celeron/Pentium processor	sustain Intel LGA11516/7/8/9th i3/i5/i7/i9 Pentium/Celeron processor	sustain Intel LGA11516/7/8/9th h i3/i5/i7/i9Pent ium/Celeron processor
Chipset	H61/B75 Chipset	Q87/B85/H81 Chipset	Intel H110 Chipset	Intel B365 Chipset
internal storage	DDR3/DDR3L 1333/1600 dual- channel maximum Support 16GB	DDR3/DDR3L 1333/1600 Dual channel maximum support 16GB	2xDDR4 DIMM memory slot, single 16GB, maximum 32GB	4*DDR4-DIMM supports a maximum of 16GB and 64GB
storage	4*SATA2.0		1*SATA 3 1*(default MSATA, optional SSD of M.2-2242/2280 SATA bus)	5*Standard 7Pin SATAIII interface 1*M.2 interface, SATA3 .0 (default)
support system	XP, WIN7, 8, 10, LINUX	WIN7, 8, 10, LINUX		
USB	prepose 2*USB2.0 postposition 6*USB2.0	prepose 2*USB2.0 postposition 4*USB2.0, 2*USB3.0	prepose 2*USB2.0 postposition 2*USB2.0, 4*USB3.0	prepose 2*USB2.0 postposition
Serial port	2*RS232/422/485+4*RS232		2*RS232/422/485+5*RS232	
Network interface	1*Intel 82583V: 1*82579V 10/100/1000Mbps	2*i211 10/100/1000 Mbps	1*IntelI219LM 1*Intel I211AT	Built-in 2*Intel WGI211AT10M/100 M/1000M support
PS interface	1*PS/2 Keyboard/mouse interface			
Display interface	1*VGA, 1*HDMI		1*VGA, 1*HDMI1DVI	
expand	1*PCIeX16 1*PCIeX4(X4 & X1 co-Lay) 5*PCI	1*PCIeX16 1*PCIeX4 1*PCIeX1 4*PCI (PCIe to PCI)	1*PCIe x16, 2*PCIe x1(x4 Connector, x1signal) 4*PCI(32bit)	1*PCIe x16, 2*PCIeX44*PCI
LPT parallel port	Optional	1*LPT		Optional
audio frequency	Mic in, Line in;Line out		Mic-in, Line-out	
working temperature	0° C~50° C;5%~90%(Non-condensing state)			
Storage environment	-20° C~60° C;5%~90%(Non-condensing state)			



model	FPC-300		
Material/structure	High strength galvanized steel sheet		
colour	grey		
Front button	Front switch, LED hard disk indicator, LED system indicator, reset switch		
Dimensions (length,	317.6*285*135 mm		
Installation method	Wall-mounted/desktop installation		
Platform configuration			
a main board	Compatible with Micro-ATX motherboard Standard ATX motherboard		
CPU	sustain LGA1155 3th Intel® Core™ i3/i5/i7/Celeron/Pentium processor	sustain LGA1150 4th Intel® Core™ i3/i5/i7/Celeron/Pentium processor	sustain LGA1151 6th/7th/8th/9th Intel® Core™ i3/i5/i7/Celeron/Pentium processor
system platform	Based on Ivy Bridge, using B75 chipset	Based on Haswell, H81 chipset is adopted	Based on Skylake KabyLake, Coffee Lake, H310C chipset
internal storage	Single memory supports up to 8GB DDR3	2*SODIMM memory slot, supporting dual-channel DDR3	2*DDR4 SODIMM memory slot, maximum support 64GB
lay in	L*SATA HDD interface, 1*MINI SATA slot, supporting MSATA solid state drive	1* SATA3.0 hard disk interface and 1*SATA2.0 hard disk	2*SATA3.0 hard disk interface, 1*M.2 slot
System support	Windows 7/8/10/Linux		
display output	1*HDMI display output interface+1*VGA display output interface		
USB joggle	6*USB2.0 interface	2*USB3.0 interface, 4*USB2.0 interface	2*USB3.0 interface, 2*USB2.0 interface
audio interface	2*Audio interface (Line Out/MIC-IN)		
Network interface	1*Realtek 8111F Gigabit Ethernet	1*RTL8111F Gigabit network card chip, supporting network wake-up and PXE	2*RTL8111H Gigabit network card, supporting network wake-up/PXE function
COM	6* RS232 serial interface	6* RS232 string, COM3 supports RS422/RS485 mode	6* RS232 serial interface (optional as 2 or 6 serial ports), COM2 supports RS422/RS485 mode
Power input	1U power supply 220V input		
Expansion Slots	1*MINI_ PCIE slot, supporting WIFI4G module		
watchdog	Support hardware reset function (256 levels, 0-255 seconds)		
working temperature	-10° C~60° C		
Storage temperature	-20° C~70° C		
relative humidity	5% - 95% relative humidity, non-condensing		



model	FPC-600			
Chassis material	High strength galvanized steel plate gray/black			
Chassis button	Front switch, LED hard disk indicator, LED system indicator, DVD optional			
Overall size	482.6*453*177 mm 4U Standard shelf type			
Platform configuration				
a main board	Compatible with Micro-ATX motherboard Standard ATX motherboard			
CPU	sustain LGA1155 3th Intel Core m 3/i3/i5/i7/Celeron/Pentium processor	sustain LGA1150 4th Intel R Core m i3/i5/i7/Celeron/Pentium processor	sustain Intel LGA1151 6/7/8/9th i3/i5/i7/i9 Pentium/Celeron processor	sustain Intel LGA11516/7/8/9th i3/i5/i7/i9 Pentium/Celeron
Chipset	H61/B75 Chipset	087/B85/H81 Chipset	Intel H110 Chipset	Intel B365 Chipset
internal storage	DDR3/DDR3L 1333/1600 dual-channel support up to 16GB		2xDDR4 DIMM memory slot, single 16GB, maximum 32GB	4*DDR4-DIMM supports a maximum of 16GB and 64GB
storage	4*SATA2.0		1*SATA 3 1*(default MSATA, optional SSD of M.2-2242/2280 SATA bus)	5 * Standard 7Pin SATAII interface 1 * M.2 interface, SATA3.0 (Movi)
support system	XP, WIN7, 8, 10, LINUX	WIN7, 8, 10, LINUX		
USB	prepose 2*USB2.0 postposition 6*USB2.0	prepose 2*USB2.0 postposition 4*USB2.0, 2*USB3.0	prepose 2*USB2.0 postposition 2*USB2.0, 4*USB3.0	prepose 2*USB2.0 postposition
Serial port	2*RS232/422/485+4*RS232		2*RS232/422/485+5*RS232	2*RS232/485+2*RS232/485+2*RS232
Network interface	1*Intel 82583V; 1*82579V 10/100/1000 Mbps	2*i211 10/100/1000 Mbps	1*Intel I219LM 1*Intel I211AT	Built-in 2*Intel WGI211AT10M/100M/1000M Support network
PS joggle	1*PS/2 keyboard/mouse interface			
Display interface	1*VGA 1*HDMI		1*VGA 1*HDMI 1*DVI	1*VGA 1*HDMI
expand	1*PCIeX16 1*PCIeX4 (X4 & X1 co-Lay) 5*PCI	1*PCIeX16 1*PCIeX4 1*PCIeX1 4*PCI (PCIe to PCI)	1*PCIe x16, 2*PCIe x1 (x4 Connector, x1 signal) 4*PCI (32bit)	1*PCIe x16 2*PCIeX4 4*PCI
LPT Parallel port	Optional	1*LPT	Optional	Optional
audio frequency	Mic in, Line in; Line out		Mic-in, Line-out	
working temperature	0° C~50° C ;5%~90%(Non-condensing state)			
Storage environment	-20° C~60° C;5%~90%(Non-condensing state)			

 GPS Succession (IP Webcast server)



model	CPU	GPS-17	GPS-173	GPS-19
Chassis material	Aluminum panel+galvanized steel plate black/silver			
Chassis button	Volume knob adjustment (optional one-button alarm button), microphone interface, 2*USB2.0			
source	300-350W industrial switching power supply with PFC function			
fingerboard	Pull-out mouse	not have	Pull-out mouse	Pull-out mouse
Display parameters				
Screen size	15"	17"	173"	19"
resolution ratio	1024*768	1280*1024	1920*1080	1280*1024
Screen Scale	4:3	5:4	16:9	5:4
luminance	450cd/m ²	250cd/m ²	250cd/m ²	250cd/m ²
touch screen	Resistance screen touch			
Platform configuration				
a main board	industrial motherboard	Compatible with Micro-ATX motherboard, standard ATX motherboard		
CPU	Celeron J1800/J1900/N2840 processor	sustain LGA1155 3th Intel Core i3/i5/i7/Celeron/Pentium processor	sustain LGA1150 4th Intel Core i3/i5/i7/Celeron/Pentium processor	
internal storage	DDR3/DDR3L1333/1600 dual-channel support up to 16GB			
storage	1*SATA2.0	4*SATA2.0		
support system	WIN7, 8, 10/2012 system			
USB	4*USB2.0	2*USB2.0 2*USB3.0		
Serial port	6*COM	2*COM		
Network interface	2*LAN gigabit network interface	1*LAN Gigabit/ 2*LAN Gigabit		
PS/2	1			
Display interface	VGA, DVI	VGA, HDMI/VGA, DVI		
expand	not have	2*PCI (PCIe to PCI)		
LPT Parallel port	not have	Optional		
audio frequency	1*MIC-in, 1*Line-out	1*MIC-in, 1*Line-out, 1*Line-in		
working temperature	0° C~50° C; 5%~90% (Non-condensing state)			
Storage environment	-20° C~60° C; 5%~90% (Non-condensing state)			