



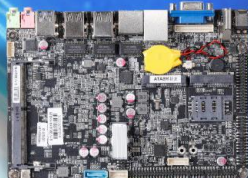
国家级高新技术企业 广东省专精特新企业
英特尔钛金级全球合作伙伴 (intel) 中国智造基地成员
广东省工业视觉控制终端工程技术研究中心

National High-Tech Enterprise, Guangdong Specialized and Versed Enterprise
Intel Titanium Global Partner, Member of intel China Smart Manufactory Base
Guangdong Industrial Vision Control Terminal Technology Research Center

主板产品型录

ELSKY MOTHERBOARD CATALOG

2024



深圳市研盛芯控电子科技有限公司

SHENZHEN ELSKY TECHNOLOGY CO.,LTD

<http://www.miniboard.cn>

Oversea Business: +86-13145827500 (Mob and Wechat)

Email: elsky@foxmail.com Skype: elsky2008

TEL: +86-755-82260150

Office Add: 8th Floor, Building 7, KangLiCheng, No.66, Pingji Avenue,
Shanglilang Community, Nanwan Street, Longgang District, Shenzhen, Guangdong

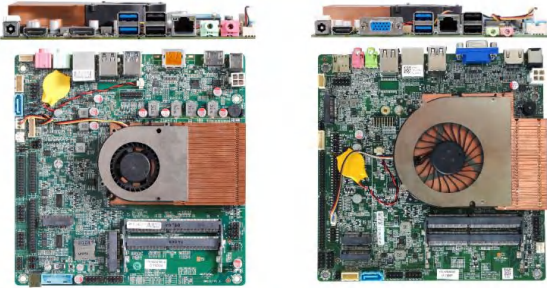
Factory Add: 4th Floor, Block A, WanGuoCheng, No.9 Pinglang Road,
Nanwan Street, Longgang District, Shenzhen, Guangdong

Official Wechat Account
For More Details



The final interpretation right of product information is belonged to
Shenzhen ELSKY Technology Co., Ltd

QM13U QM13P QM13H (13th Gen)
QM12U QM12P QM12H (12th Gen)
QM11U (11th Gen)



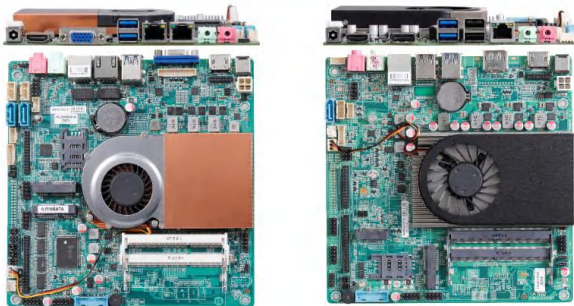
CPU	QM13U	Support 13 th Raptor Lake i3 1315U, i5 1335U, i7 1355U, etc.
	QM13P	Support 13 th Raptor Lake i5 1340P, i7 1360P, etc.
	QM13H	Support 13 th Raptor Lake i5 13500H, i7 13700H, i9 13900H, etc.
	QM12U	Support 12 th Alder Lake i3 1215U, i5 1235U, i7 1250U, etc.
	QM12P	Support 12 th Alder Lake i3 1200P, i5 1245P, i7 1280P, etc.
	QM12H	Support 12 th Alder Lake i5 12500H, i7 12800H, i9 12900H, etc.
	QM11U	Support 11 th Tiger Lake i3 1125G4, i5 1135G7, i7 1165G7, etc.
Memory	2x DDR4 Max Support 64GB	
Ethernet	Realtek 8111H/G Gigabit LAN, Intel I219-LM/V Gigabit LAN, 2x LAN optional	
Audio	Realtek ALC662/897 HD Audio optional, Cmedia HS-100B USB Audio optional, Support Line-out, Mic-in, Speaker	
Graphics Card	Integrated Intel UHD Graphics Support 4K/1080P/H264/3D Play/Support 4K@60Hz	
Display	VGA (or DP), HDMI (1.4/2.0), LVDS (or single/dual EDP), Support synchronous, asynchronous quad display, triple display and dual display	
Storage	1xM.2, 1xSATA3.0 (or 2xSATA3.0), can be changed to 1xMSATA3.0	
Power Supply	DC 12V/19V power supply 7A or above recommended	
Heat Sink	Ultra-thin and silent intelligent temperature control fan	
Size	Thin Mini-ITX, 170mm x 170mm x 23mm	
I/O Interfaces	DC_in, HDMI, VGA (DP), 2x USB3.2, 2x USB2.0, LAN, Line-Out, Mic_in, Optional Type-C	
Built-in Pins	1x24 bit LVDS (EDP), 1xVGA, 1xHDMI, 4xUSB2.0, 2xUSB3.2, 2xCOM (6xCOM optional, RS232/RS485/RS422 optional), 1xGPIO, 2xFan, SIM Card slot, 1xAudio optional	
Expansion Bus	Or 1xMini-PCIe, Support WiFi, 4G/3G, Bluetooth, GPS, can be modified to MSATA; Or 1xM.2, WiFi, Support s M.2_WiFi module; Or 1x4G/5G-M.2, Supporting M.2 4G/5G modules	

QM10H QM10U (10th Gen)
QM9H QM8H QM8U (8th Gen)



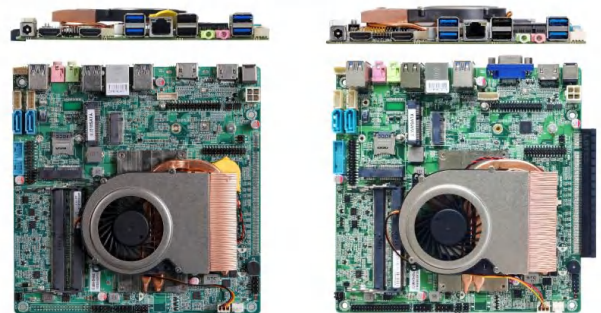
Processor	QM10H/QM10U	Support 10 th Comet Lake i3 10110U, i5 10210U, i7 10510U etc.
	QM9H	Support 8 th Coffee Lake i3 8109U, i5 8259U, i7 8559U etc.
	QM8H/QM8U	Support 8 th Whiskey Lake i3 8145U, i5 8265U, i7 8665U etc.
Memory	2x DDR4 Max Support 64GB	
Ethernet	Realtek 8111H Gigabit LAN, 2x LAN Optional	
Audio	Realtek ALC662/897 HD Audio optional, Cmedia HS-100B USB Audio optional, 88H621 USB Audio optional, Support Line-out, Mic-in, Speaker	
Graphics Card	Integrated Intel UHD Graphics Support 4K/1080P/H264/3D Play	
Display	VGA (or DP), HDMI, LVDS (or EDP), Support Synchronous asynchronous triple display and dual display	
Storage	1xM.2, 1xSATA3.0 (or 2xSATA3.0), can be changed to 1xMSATA3.0	
Power Supply	DC 12V/19V Power Supply 7A or above recommended	
Heat Sink	Ultra-thin and silent intelligent temperature control fan	
Size	Thin Mini-ITX, 170mm x 170mm x 23mm	
I/O Interfaces	DC_in, HDMI, VGA (DP), 2x USB3.2, 2x USB2.0, LAN, Line-Out, Mic_in	
Built-in Pins	1x24 bit LVDS (EDP), 1xVGA, 1xHDMI, 4xUSB2.0, 2xUSB3.2, 2xCOM (6xCOM optional, RS232/RS485/RS422 optional), 1xGPIO, 2xFan, SIM Card slot, optional 1xAudio	
Expansion Bus	1xMini-PCIe, Support WiFi, 4G/3G, Bluetooth, GPS, can be changed to MSATA; 1xKEY-B_5G, Support M.2 5G Module	

QM9850 (8th Gen)
QM9750 QM9700H QM9700 (7th Gen)
QM9650 QM9600H QM9600 (6th Gen)



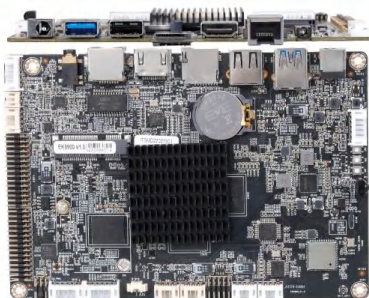
Processor	QM9850	Support 8 th Gen Kaby Lake R i3 8130U, i5 8250U, i7 8550U etc.
	QM9750 QM9700H QM9700	Support 7 th Gen 3865U, 3965U and Kaby Lake i3 7100U, i5 7200U, i7 7500U etc.
	QM9650 QM9600H QM9600	Support 6 th Gen 3855U, 3955U and Sky Lake i3 6100U, i5 6200U, i7 6500U etc.
Memory	2x DDR4 Max Support 32GB or 2x DDR4 Max Support 64GB	
Ethernet	Realtek 8111F/H Gigabit LAN optional, Intel I219LM/V Gigabit LAN optional, 2x LAN optional	
Audio	Realtek ALC662/897 HD Audio optional, Cmedia HS-100B USB optional, Support Line-out, Mic-in, SPDIF, Speaker	
Graphics Card	Intel HD Graphics 510/520/610/620 Support 4K/1080P/H264/3D Play	
Display	VGA (or DP or DVI), HDMI, LVDS (or EDP), Support Synchronous asynchronous triple display and dual display	
Storage	2xSATA 3.0, 1xMSATA 3.0 or 1xM.2	
Power Supply	DC 12V/19V Power Supply 5A or above recommended	
Heat Sink	Ultra-thin and silent intelligent temperature control fan	
Size	Thin Mini-ITX, 170mm x 170mm x 24mm	
I/O Interfaces	DC_in, HDMI, VGA (DP/DVI), 2xUSB3.0, 2xUSB2.0, LAN, Line-Out, Mic_in	
Built-in Pins	1x24 bit LVDS (EDP), 1xVGA, 1xHDMI, 4xUSB2.0, 2xCOM (6xCOM optional, RS232/RS485/RS422 optional), optional 1xLPT, optional 1xGPIO, 2xFan, SIM Card slot, optional 1xAudio	
Expansion Bus	1xMini-PCIe, Support WiFi, 5G/4G/3G, Bluetooth, GPS	

QM8900 QM8900H (8th Gen 9th Gen 10th Gen)
QM6000 QM7000 (6th Gen 7th Gen)



Processor	QM8900H	Support 10 th Gen Comet Lake i5 10200H, i7 10750H, i9 10980HK etc.
	QM8900	Support 8 th Gen Coffee Lake i3 8100H, i5 8300H, i7 8750H, i9 8950HK etc.
	QM7000	Support 7 th Gen Kaby Lake i3 7100H, i5 7300HQ, i7 7700HQ etc.
	QM6000	Support 6 th Gen Sky Lake i3 6100H, i5 6300HQ, i7 6700HQ etc.
Memory	2x DDR4 Max Support 64GB	
Ethernet	Realtek 8111F/H Gigabit LAN optional, Intel I219LM/V Gigabit LAN optional, 2x LAN optional	
Audio	Cmedia HS-100B USB Audio, Support Line-out, Mic-in, Speaker	
Graphics Card	Intel HD Graphics 530/630/UHD, Support 4K/1080P/H264/3D Play, PCIe 16X External independent display	
Display	HDMI 1, HDMI 2(VGA), EDP 1, LVDS (EDP 2), dual HDMI, dual EDP optional, Support Synchronous asynchronous dual display and triple display	
Storage	2xSATA 3.0, 1xMSATA 3.0, 1xM.2	
Power Supply	DC 12V/19V Power Supply 7A or above recommended	
Heat Sink	Ultra-thin and silent intelligent temperature control fan	
Size	Thin Mini-ITX, 170mm x 170mm x 24mm	
I/O Interfaces	DC_in, HDMI, VGA (HDMI), 4x USB3.0, 2x USB2.0, LAN, Line-Out, Mic_in, PCIe 16X	
Built-in Pins	1xEDP1, 1xLVDS (EDP2), 6xUSB, 2xCOM (6xCOM optional, RS232/RS485/RS422 optional), 1xGPIO, 2xFan, SIM Card slot	
Expansion Bus	1xMini-PCIe, Support WiFi, 5G/4G/3G, Bluetooth, GPS	

Android Motherboard EK8800 EK9900



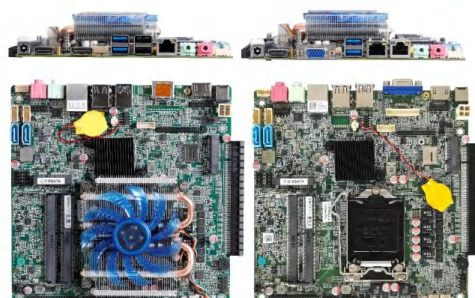
Processor	Support Rockchips RK3288 Quad-core Cortex-A17, RK3399 Dual-core Cortex-A72+Quad-core Cortex-A53
Memory	1G/2G/4G optional
Storage	8G/16G/32G optional
System	android7.1 ~ android 11 system
Ethernet	Realtek 8211E/F Gigabit LAN, built-in WiFi Bluetooth module, single-band/dual-band WiFi optional
Audio	Integrated ES8336 Audio controller, Line_OUT, Mic-In, INT_SPK
Display	HDMI, LVDS, EDP Support synchronous and asynchronous dual display, HDMI_IN (reserved)
Power Supply	DC 12V Power Supply, 3A is recommended
Heat Sink	Ultra-thin FANLESS
Size	3.5 inch professional structure, 146mm x 100mm x 12mm
I/O Interfaces	DC_in, HDMI, USB, LAN, AUDIO, Camera, SD slot, SIM Card slot
Expansion Bus	1xMini-PCIe, Support 4G/3G Module
Built-in Pins	LVDS, EDP, COM1~4, SPK, USB, GPIO, TP, IR

QM3100 QM3100E (8th Gen i3, i5, i7, i9) QM3600 QM3600E (6/7/8/9th Gen i3, i5, i7, i9)



Processor	Support 6 th Gen Sky Lake LGA 1151 Core i3 6100, i5 6500, i7 6700, etc. Support 7 th Gen Kaby Lake LGA 1151 Core i3 7100, i5 7500, i7 7700, etc. Support 8 th Gen Coffee Lake LGA 1151 Core i3 8100, i5 8500, i7 8700, etc. Support 9 th Gen Coffee Lake LGA 1151 Core i3 9100, i5 9600, i7 9700, i9 9900, etc.
Chipset	Intel Chipset H310/H310C
Memory	2 x DDR4 Max Support 64GB
Ethernet	Realtek 8111H Gigabit LAN, 2x LAN optional
Audio	Realtek ALC662/897 HD Audio optional, J46811 USB Audio optional, Cmedia HS-100B USB Audio optional, Support Line-out, Mic-in, Speaker.
Graphics card	Intel HD Graphics 530/630 super core graphics card Support 4K/1080P/H.264/3D Play and Support external discrete graphics card
Display	VGA (or DP), HDMI, LVDS (or EDP) support synchronous and asynchronous dual display (PCIe 16X I/O Interfaces optional)
Storage	1 x SATA3.0, 1xMSATA 3.0
Power Supply	DC 12V/19V power supply 10A or above recommended
Heat Sink	Standard 115X radiator
Size	Mini-ITX, 170mm x 170mm
I/O Interfaces	DC-in, HDMI, VGA (DP), 2xUSB3.0, 2xUSB2.0, LAN, Line_Out, Mic_in
Built-in Pins	1x24 bit LVDS (or EDP), 1xHDMI, 1xVGA, 4xUSB2.0, 2xCOM (6COM optional, Support RS232/RS422/RS485 optional) 2xFAN, 1xGPIO, SIM Card slot, optional 1xAudio
Expansion Bus	1 x Mini-PCIe, support WiFi, 4G, Bluetooth, GPS

QM5100 QM5100E (H510)



Processor	Support 10 th Gen Comet Lake LGA 1200 Core i3 10300, i5 10500, i7 10700, i9 10900, etc. Support 11 th Gen Rocket Lake LGA 1200 Core i5 11500, i7 11700, i9 11900, etc.
Chipset	Intel Chipset H510
Memory	2 x DDR4 Max Support 128GB
Ethernet	Realtek 8111H Gigabit LAN, 2x LAN optional
Audio	Realtek ALC662/897 HD Audio optional, Cmedia HS-100B USB Audio optional, Support Line-out, Mic-in, Speaker
Graphics card	Intel HD Graphics 630/730/750 super-core graphics card Support 4K/1080P/H.264/3D Play and support external discrete graphics card
Display	VGA (or DP), HDMI (1.4/2.0), LVDS (or EDP) support synchronous and asynchronous dual display (PCIe 16X I/O Interfaces optional)
Storage	2x SATA3.0, 1xMSATA 3.0
Power Supply	DC 12V/19V power supply 10A or above recommended
Heat Sink	Standard 1200 radiator
Size	Mini-ITX, 170mm x 170mm
I/O Interfaces	DC-in, HDMI, VGA (DP), 2xUSB3.0, 2xUSB2.0, LAN, Line_Out, Mic_in
Built-in Pins	1x24 bit LVDS (EDP), 1xHDMI, 1xVGA, 4xUSB2.0, 2xCOM (6COM optional, Support RS232/RS422/RS485 optional) 2xFAN, 1xGPIO, SIM Card slot, 1xAudio optional
Expansion Bus	1 x Mini-PCIe, support WiFi, 4G, Bluetooth, GPS

QM9400H QM9500H (LVDS or EDP) QM9400E/L QM9500E/L (LVDS or EDP) QM9450E/L QM9550E/L (Dual EDP)



Processor	4 th gen Support 4 th gen Haswell-U i3 4010U, i5 4200U, i7 4510U etc. 5 th gen Support 5 th gen Broadwell-U i3 5010U, i5 5200U, i7 5500U etc.
Memory	1x DDR3L Max Support 8GB
Ethernet	Realtek 8111F/H Gigabit LAN, Realtek 8105E Fast Ethernet optional, 2x LAN optional
Audio	Realtek ALC662/897 HD Audio optional, Cmedia HS-100B USB Audio optional, Support Line-out, Mic-in, Speaker
Graphics Card	Intel HD Graphics 4400/5500, Support 4K/1080P/H.264/3D Play
Display	VGA, HDMI, LVDS/EDP, dual EDP, Support Synchronous asynchronous triple display and dual display, Support LVDS brightness adjustment
Storage	1xSATA3.0 (or 2xSATA3.0), 1xMSATA3.0
Power Supply	DC 12V/19V Power Supply 5A or above recommended
Heat Sink	Ultra-thin and silent Intelligent temperature control fan
Size	Thin Mini-ITX, 170mm x 170mm x 20mm
I/O Interfaces	DC_in, HDMI, VGA, 2xUSB3.0, 2xUSB2.0, LAN, Line-Out, Mic_in
Built-in Pins	1x24 bit LVDS(EDP), 2xEDP, 1xVGA, 1xHDMI, 4xUSB, 2xCOM (6xCOM optional, RS232/RS485/RS422 optional), optional 1xLPT, optional 1xGPIO, 2xFan, SIM Card slot
Expansion Bus	1xMini-PCIe, Support WiFi, 4G/3G, Bluetooth, GPS

M219F M219H M219FC (J1900) M218F M218H M218FC (J1800) M415F (J4125) M612F (J6412) M100F (N100)



Processor	Intel Celeron J1900, Celeron J1800, Pentium J2900 optional Intel Celeron N2840, Celeron N2930, Celeron N2940 optional Intel Celeron J4125, Celeron J4025 optional Intel Alder Lake-N Series N100, N97, N95, N305 optional
Memory	1x DDR3L Max Support 8GB optional, 1x DDR4 Max Support 32G optional
Ethernet	Realtek 8111F/H/GF Gigabit LAN, Realtek 8105E/8106E Fast Ethernet optional, 2x LAN optional
Audio	Realtek ALC662/897 HD Audio optional, Cmedia HS-100B USB Audio optional, Support Line-out, Mic-in, Speaker
Graphics Card	Intel HD Graphics Support 1080P, H.264, 3D Play, Support 4K optional
Display	VGA, HDMI, LVDS (or EDP), Option DP, 2x EDP Support synchronous asynchronous dual display, triple display optional
Storage	1xSATA 2.0/3.0, 1xMSATA optional, 1xM.2 optional
Power Supply	DC 12V Power Supply, 5A or above recommended
Heat Sink	Ultra-thin FANLESS, with fan optional
Size	Thin Mini-ITX, 170mm x 170mm x 22mm
I/O Interfaces	DC_in, HDMI, VGA, 2xUSB3.0, 2xUSB2.0, LAN, Line-Out, Mic_in
Built-in Pins	LVDS (or EDP), VGA, HDMI, USB, 1/2/4/6/10COM optional (6/10COM optional 3xRS232/RS485/RS422) Option up to 4xRS485, LPT, Fan, GPIO, SIM Card slot
Expansion Bus	1xMini-PCIe, Support WiFi, 4G/3G, Bluetooth, GPS; 1xM.2_WIFI optional

i3HGP(3rd Gen i3) i5HGP(3rd Gen i5) i7HGP(3rd Gen i7) 1007F(1007U) 2117F(2117U) 1037F(1037U)



Processor	Intel Celeron 1007U, 1037U, 2117U and 3rd Gen U Series Core i3-217U, i5-3317U, i7-3517U etc.
Chipset	Intel Chipset HM65/NIM70/HM76
Memory	1x DDR3 Max Support 8GB, on board 2GB Memory optional
Ethernet	Realtek 8111F Gigabit LAN, Realtek 8105E Fast Ethernet optional, 2x LAN optional
Audio	Realtek ALC662/897 HD Audio optional, Cmedia HS-100B USB Audio optional, Support Line-out, Mic-in, Speaker
Graphics Card	Intel HD Graphics Support 1080P, H.264, 3D Play
Display	VGA, HDMI, LVDS (dual 8") AW (optional), Support synchronous asynchronous dual display
Storage	1xSATA3.0, 1xSATA2.0, Ultra-thin and silent Intelligent temperature control fan A20
Power Supply	DC 12V Power Supply 5A or above recommended
Heat Sink	Ultra-thin and silent Intelligent temperature control fan
Size	Thin Mini-ITX, 170mm x 170mm x 22mm
I/O Interfaces	DC_in, HDMI, VGA, 2xUSB3.0, 2xUSB2.0, LAN, Line-Out, Mic_in
Built-in Pins	LVDS, VGA, USB, 2COM (6C optional, RS232/RS485/RS422 optional), LPT, Fan, GPIO, SIM Card slot
Expansion Bus	1xMini-PCIe, Support WiFi, 4G/3G, Bluetooth, GPS



QM1100
QM1100C

Processor	Support 6 th Gen Sky Lake LGA 1151 Core i3 6100、i5 6500、i7 6700 etc. Support 7 th Gen Kaby Lake LGA 1151 Core i3 7100、i5 7500、i7 7700 etc.
Function	2/6COM,7USB,SPK,LVDS,EDP,VGA,HDMI(4K),M.2,LAN,Support Wifi,5G/4G/3G,Bluetooth
Size	Mini -ITX ,170mm x170mm



QM8000

Processor	Support 4 th Gen Haswell LGA 1150 Core i3 4130、i5 4460、i7 4770 etc
Function	2/6COM,8USB,SPK,LVDS,VGA,single / dual HDMI(4K) optional,PCIE 4X External independent display,MSATA,Support Wifi,4G/3G,Bluetooth
Size	Mini-ITX ,170mm x170mm



QM8680
QM8680L

Processor	Support all 4 th Haswell-M laptop i3 4000M, i5 4210M, i7 4600M, etc.
Function	2/6COM, 8USB, SPK, LVDS, EDP, VGA, HDMI (4K), PCIE 16X can be connected to discrete graphics card, MSATA, support Wifi, 4G/3G, Bluetooth
Size	Thin Mini -ITX ,170mm x 170mm x 26mm



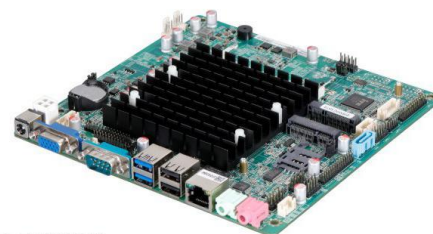
QM6600
QM6616
QM6637

Processor	Support 2 nd Gen M full series i3 2350M, i5 2540M, i7 2620M, etc. Support 3 rd Gen M/U full series i3 3110M/3217U, i5 3210M/3317U, i7 3540M/3517U, etc.
Function	2/6COM,9/10USB,SPK,LVDS(EDP),VGA,HDMI,LAN,MSATA,support Wifi,4G/3G,Bluetooth
Size	Thin Mini -ITX ,170mm x170mm x 25mm



QM2360

Processor	Support 2 nd Gen M All series of i3 2350M,i5 2540M,i7 2620M, etc. Support 3 rd M/U All series of i3 3110M/3217U,i5 3210M/3317U,i7 3540M/3517U, etc.
Function	2COM, 8USB, SPK, LVDS, single/dual EDP, VGA, HDMI, LAN, MSATA, support Wifi, 4G/3G, Bluetooth
Size	Thin Mini -ITX ,170mm x170mm x 25mm



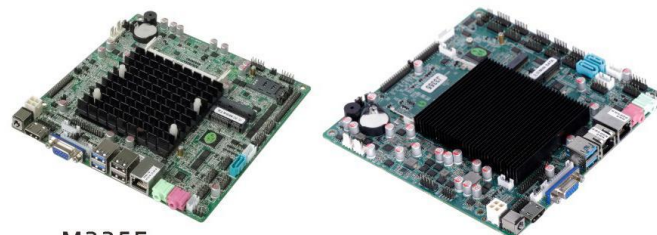
EM219 / EM218

Processor	Intel Celeron J1900, Celeron J1800, Pentium J2900 optional
Function	2/4COM, 8USB, LVDS, single/dual EDP, VGA, LAN, MSATA, support Wifi, 4G/3G, Bluetooth
Size	Thin Mini -ITX ,170mm x 170mm x21mm



EM6900 D25G2
EM6800 D25G6

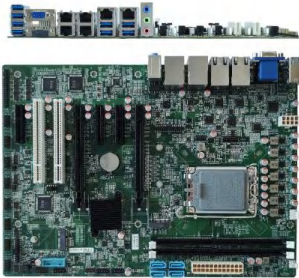
Processor	Intel Celeron J1900, Celeron J1800, Pentium J2900 optional Intel Atom D2550,N2800,N2600 optional
Function	ATX/DC optional, 2/6COM, 8USB, LVDS, VGA, LPT, LAN, MSATA, support Wifi, 4G/3G, Bluetooth
Size	Mini-ITX ,170mm x170mm x 32mm



M335F
M316F

Processor	Intel Celeron J3355, Celeron J3455, Pentium N4200 Intel Celeron N3150, Celeron N3160, Pentium N3700
Function	10/6/2COM, 10/7USB, LVDS (or EDP), HDMI, VGA, LAN, MSATA, support Wifi, 4G/3G, Bluetooth
Size	Thin Mini-ITX ,170mm x170mm x 21mm

GK1200 (H670)



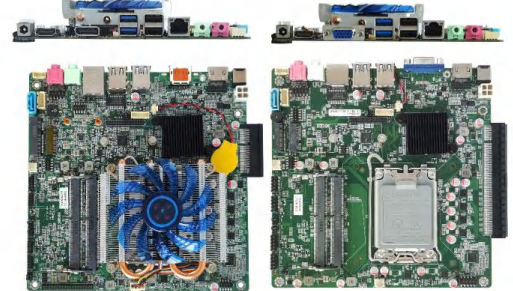
Processor	Support 12 th Gen Alder Lake LGA1700 Core i3 12300, i5 12500, i7 12700, i9 12900, etc. Support 13 th Gen Raptor Lake LGA1700 Core i3 13100, i5 13500, i7 13700, i9 13900, etc. Support 14 th Gen Raptor Lake LGA1700 Core i5 14500, i7 14700, i9 14900, etc.
Chipset	Intel Chipset H670
Memory	2 x PC DDR4 Max Support 64G
Ethernet	Support 1x Intel i219V and 5x Intel i226-V Gigabit LAN
Audio	Realtek ALC897 HD Audio, support Line-in, Line-out, Mic-in
Graphics card	Intel HD Graphics 730/770 super core graphics card, Support 4K/1080P/H.264/3D Play, support external discrete graphics card
Display	HDMI, VGA, EDP support synchronous and asynchronous dual display and triple display, PCIe 16X external discrete graphics card
Storage	4x SATA3.0, 1x M.2
Power Supply	Standard 24Pin ATX power supply
Heat Sink	Standard 1700 radiator
Size	ATX, 305mm x 220mm x 42mm
I/O Interfaces	HDMI, VGA, 8x USB3.2, 6x LAN, Line-in, Line-out, Mic-in
Built-in Pins	1x HDMI, 1x EDP, 12x COM (COM1/2 optional RS232/422/485), 8x USB, 1x LPT, 1x GPIO, 1x Audio, 1x SPDIF, 2x FAN
Expansion Bus	1x M.2_WIFI, 2x PCIe 16X, 3x PCIe 4X, 2x PCI

GK6900 (H310C)



Processor	Support 6 th Gen Sky Lake LGA 1151 Core i3 6100, i5 6500, i7 6700, etc. Support 7 th Gen Kaby Lake LGA 1151 Core i3 7100, i5 7500, i7 7700, etc. Support 8 th Gen Coffee Lake LGA 1151 Core i3 8100, i5 8500, i7 8700, etc. Support 9 th Gen Coffee Lake LGA 1151 Core i3 9100, i5 9600, i7 9700, i9 9900, etc.
Chipset	Intel Chipset H310C
Memory	2 x PC DDR4 Max Support 64G
Ethernet	Intel i219V+Intel i225-LM dual Gigabit LAN
Audio	Realtek ALC662/897 HD Audio, support Line-in, Line-out, Mic-in
Graphics card	Intel HD Graphics 530/630 super core graphics card, Support 4K/1080P/H.264/3D Play, support external discrete graphics card
Display	HDMI, DVI-D, VGA, EDP support synchronous and asynchronous dual displays, PCIe 16X external discrete graphics card
Storage	3x SATA3.0, 1x M.2
Power Supply	Standard 24Pin ATX power supply
Heat Sink	Standard 115X radiator
Size	ATX, 244mm x 244mm x 42mm
I/O Interfaces	HDMI, VGA, DVI, COM, 4x USB3.0, 2x USB2.0, 2x LAN, PS/2, Line-in, Line-out, Mic-in
Built-in Pins	1x EDP, 3x COM (COM3/4 optional RS232/422/485), 4x USB, 1x TPM, 1x LPT, 1x GPIO, 1x Audio, 2x FAN
Expansion Bus	1x PCIe 16X, 1x PCIe 4X, 2x PCI

QM6100 QM6100E (H610) QM6300 QM6300E (H610)



Processor	Support 12 th Gen Alder Lake LGA 1700 Core i3 12300, i5 12500, i7 12700, i9 12900, etc. Support 13 th Gen Raptor Lake LGA 1700 Core i3 13100, i5 13500, i7 13700, i9 13900, etc. Support 14 th Gen Raptor Lake LGA 1700 Core i5 14500, i7 14700, i9 14900, etc.
Chipset	Intel Chipset H610
Memory	2 x DDR4 Max Support 128GB
Ethernet	Realtek 8111H Gigabit LAN, Intel i219V Gigabit LAN, 2x LAN optional
Audio	Realtek ALC662/897 HD Audio, support Line-out, Mic-in, Speaker
Graphics card	Intel HD Graphics 730/770 super core graphics card Support 4K/1080P/H.264/3D Play and Support external discrete graphics card
Display	VGA (or DP), HDMI (2.0), LVDS (or EDP) support synchronous and asynchronous three displays (PCIe 4X/16X I/O Interfaces optional)
Storage	1x SATA3.0, 1x M.2
Power Supply	DC 12V/19V power supply 15A or above recommended
Heat Sink	Standard 1700 radiator
Size	Mini-ITX, 170mm x 170mm
I/O Interfaces	DC-in, HDMI, VGA (DP), 2x USB3.2, 2x USB2.0, LAN, Line_Out, Mic_in
Built-in Pins	1x 24 bit LVDS (EDP), 1x HDMI, 4x USB2.0, 6x COM (support RS232/RS422/RS485 optional), 2x FAN, 1x GPIO, SIM Card slot, 1x Audio
Expansion Bus	1 x Mini-PCIe, 1x M.2_WIFI, support WiFi, 4G, Bluetooth, GPS

QM118L (H110)



Processor	Support 6 th Gen Sky Lake LGA 1151 Core i3 6300, i5 6600, i7 6700, etc. Support 7 th Gen Kaby Lake LGA 1151 Core i3 7300, i5 7500, i7 7700, etc.
Chipset	Intel Chipset H110
Memory	2x DDR4 Max Support 64GB
Ethernet	8x Intel i210-AT gigabit Ethernet card, 2x Intel i350-AM2 gigabit fiber optic Ethernet card
Audio	none
Graphics card	Intel HD Graphics 530/630 support 1080P/H264/3D Play
Display	1x VGA pin
Storage	2x SATA 3.0, 1x MSATA 3.0, 1x M.2, 1x CF
Power supply	Standard 24Pin ATX power supply
Heat sink	Standard 115X Radiator
Size	248mm x 248mm
I/O Interfaces	2x USB3.0, RJ45-COM, 8x LAN, PWR, RST, Optional 2x fiber optic I/O Interfaces
Built-in Pins	1x VGA, 6x USB, 1x COM, 1x LPT, 1x LAN_LED, 2x FAN, 1x SIM
Expansion Bus	1x Mini-PCIe, support WiFi, 4G/3G, Bluetooth, GPS, 1x PCIe X4

QM3200 (H310C)



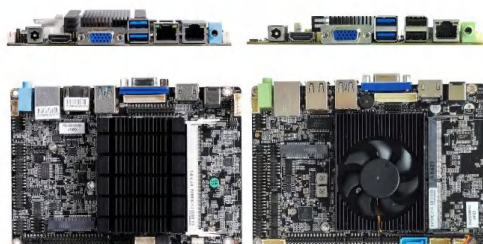
Processor	Support 6 th Gen Sky Lake LGA 1151 Core i3 6300, i5 6600, i7 6700 Support 7 th Gen Kaby Lake LGA 1151 Core i3 7300, i5 7500, i7 7700 Support 8 th Gen Coffee Lake LGA 1151 Core i3 8300, i5 8600, i7 8700 Support 9 th Gen Coffee Lake LGA 1151 Core i3 9300, i5 9600, i7 9700, i9 9900
Chipset	Intel Chipset H310C
Memory	2 x DDR4 Max Support 64GB
Ethernet	2 x Realtek 8111H Gigabit LAN
Audio	Realtek ALC662 HD Audio, support Line-in, Line-out, Mic-in, Speaker
Graphics card	Intel HD Graphics 530/630 super core graphics card Support 4K/1080P/H.264/3D Play
Display	VGA, HDMI, EDP support synchronous and asynchronous dual display
Storage	2 x SATA3.0, 1x MSATA 3.0
Power Supply	Standard 20Pin ATX power supply
Heat Sink	Standard 115X radiator
Size	Mini-ITX, 170mm x 170mm x 38mm
I/O Interfaces	PS2, VGA, HDMI, 4x USB3.0, 10x USB2.0, 2x LAN, Line_in, Line_Out, Mic_in
Built-in Pins	1x EDP, 4/8/12 COM optional (COM2 Support RS232/RS422/RS485 optional), 2x FAN, SIM Card slot, 1x GPIO, 1x LPT, 1x Audio
Expansion Bus	1 x Mini-PCIe, support WiFi, 4G, Bluetooth, GPS

QM8200 QM8200-R (H81)



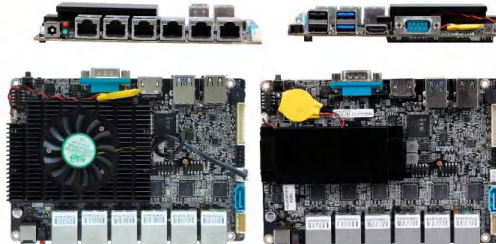
Processor	Support 4 th Gen Haswell LGA 1150 Core i3 4130, i5 4460, i7 4770, etc.
Chipset	Intel Chipset H81
Memory	2 x PC DDR3 Max Support 16GB
Ethernet	1 x Intel i211-AT Gigabit LAN, 2x Realtek 8111H Gigabit LAN optional
Audio	Realtek ALC662 HD Audio optional, Cmedia HS-100B USB Audio optional, support Line-out, Mic-in, Speaker
Graphics card	Intel HD Graphics
Display	2x VGA, PCIe 16X Support external independent display
Storage	2x SATA3.0, 1x MSATA3.0
Power supply	Standard 24Pin ATX power supply
Heat sink	Standard 115X Radiator
Size	Mini-ITX, 170mm x 180mm x 37mm
I/O Interfaces	PS2, 2x VGA, 2x COM, 2x USB3.0, 4x USB2.0, 2x LAN, Line_Out, Mic_in
Built-in Pins	4x USB2.0, 10x COM (support RS232/RS422/RS485 optional), 2x FAN, 1x SPDIF, 1x Audio optional

3.5 inches: M219SE (J1900) M415SE (J4125)



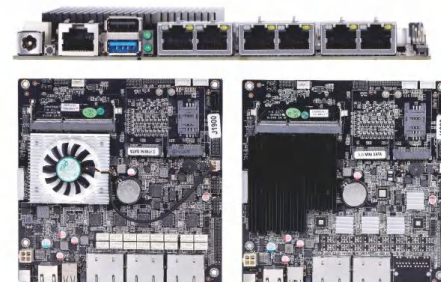
Processor	Intel Celeron J1900, Celeron J1800, Pentium J2900 optional Intel Celeron J4125, Celeron J4025 optional
Memory	1 x DDR3L optional, 1xDDR4 optional, Max Support 8GB
Ethernet	2 x Realtek 8111H Gigabit LAN, single Ethernet optional
Audio	Realtek ALC662/897 HD Audio, support Line-out, Mic-in, Speaker
Graphics card	Intel HD Graphics support 1080P/H.264/3D Play, 4K optional
Display	HDMI, VGA, LVDS (EDP) support synchronous and asynchronous dual display, triple display optional
Storage	1 x SATA2.0/3.0, 1xMSATA
Power supply	M219SE: DC 12V supply recommended 5A or above M415SE: DC 9V~36V wide voltage power supply, supply recommended 5A or above
Heat sink	Ultra-thin FANLESS, optional with fan
Size	3.5 inch professional structure, 146mm x102mm x23mm
I/O Interfaces	DC-in, HDMI, VGA, USB3.0, USB2.0, 2xLAN, Line_Out
Built-in Pins	1x24 bit LVDS (EDP), 1xVGA, 4xUSB2.0, 6xCOM (COM1 support RS232/RS422 /RS485 optional), 1xFAN, SIM Card slot, 1xGPIO, 1xAudio, 1xSPDIF
Expansion Bus	1 x Mini -PCIE, support Wifi, 4G/3G, Bluetooth, GPS

M680SE-6L (6th Gen 6 LAN) M780SE-6L (7th Gen 6 LAN)



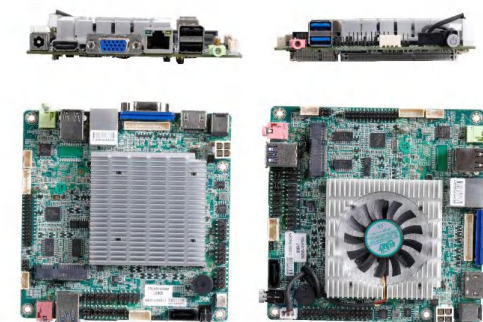
Processor	Support 6 th Gen 3855U, 3955U and Sky Lake i3 6100U, i5 6200U, i7 6500U, etc. Support 7 th Gen 3865U, 3965U and Kaby Lake i3 7100U, i5 7200U, i7 7500U, etc.
Memory	1 x DDR4 Max Support 32GB
Ethernet	Intel i211-AT Gigabit LAN 6x LAN
Audio	none
Graphics card	Intel HD Graphics 510/520/610/620 support 4K/1080P/H.264/3D Play
Display	HDMI I/O Interfaces, 1xVGA pin
Storage	1xSATA 3.0, 1xMSATA3.0
Power supply	DC 12V power supply 5A or above recommended
Heat sink	Ultra-thin FANLESS, optional with fan
Size	3.5 inch professional structure, 146mm x102mm x27mm
I/O Interfaces	DC_in, LED, 6xLAN, 2xUSB3.0, 2xUSB2.0, HDMI, COM1, PWR, RST
Built-in Pins	VGA, 2xUSB, 1xCOM, 1xGPIO, 1xFan, SIM Card slot
Expansion Bus	1xMini -PCIE, support Wifi, 4G/3G, Bluetooth, GPS

J19E6L (6 LAN) J19E4L (4 LAN) J19EB6L (6 LAN Bypass)



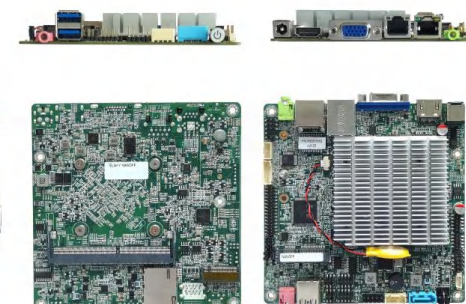
Processor	Intel Celeron J1900, Celeron J1800, Pentium J2900 optional
Memory	1x DDR3L Max Support 8GB
Ethernet	6xIntel i210/i211-AT Gigabit LAN, 4LAN optional
Audio	none
Graphics card	Intel HD Graphics
Display	1xVGA pin
Storage	1xSATA 2.0, 1xMSATA 2.0
Power supply	DC 12V power supply 5A or above recommended
Heat sink	Ultra-thin FANLESS, optional with fan
Size	Thin Mini -ITX, 170mm x170mm x 21mm
I/O Interfaces	DC_in, RJ50-COM, 1xUSB3.0, 1xUSB2.0, 4/6xLAN, LED, RST
Pin	VGA_H, 4xUSB, COM2, GPIO, LAN_LED, LPT, FAN, SIM Card slot
Built-in Pins	1xMini -PCIE, support Wifi, 4G/3G, Bluetooth, GPS
Expansion Bus	6 LAN with 2 Bypass, 4 LAN simplified version

NANO9F (J1900) NANO8F (J1800)



Processor	Intel Celeron J1900, Celeron J1800, Pentium J2900 optional
Memory	1x DDR3L Max Support 8GB
Ethernet	Realtek 8111H Gigabit LAN, Realtek 8105E 100Mbps NIC optional, 2x LAN optional
Audio	Cmedia HS-100B USB Audio, support Line-out, Mic-in, Speaker
Graphics card	Intel HD Graphics
Display	VGA, HDMI, LVDS, Support synchronous and asynchronous dual display, support LVDS brightness adjustment
Storage	1xSATA2.0, 1xMSATA3.0
Power supply	DC 12V power supply 5A or above recommended
Heat sink	Ultra-thin FANLESS, optional with fan
Size	NANO-ITX, 120mm x120mm x26mm
I/O Interfaces	DC_in, HDMI, VGA, 1xUSB3.0, 3xUSB2.0, LAN, Line-Out, Mic_in
Built-in Pins	LVDS, VGA, USB, 2COM (RS232/RS485/RS422 optional), Fan, SPK, SIM Card slot
Expansion Bus	1xMini -PCIE, support Wifi, 4G/3G, Bluetooth, GPS

NANO4E (J4125)



Processor	Intel Celeron J4125, Celeron J4025 optional
Memory	1xDDR4 Max Support 8GB
Ethernet	Realtek 8111H Gigabit NIC chip, Realtek 8106E 100Mbps Gigabit NIC optional, 2x LAN optional
Audio	Realtek ALC662/897 HD Audio, support Line-out, Mic-in, Speaker
Graphics Card	Intel HD Graphics 600, support 4K/1080P/H.264/3D Play
Display	VGA, HDMI, LVDS (or EDP), Support synchronous, asynchronous triple display and dual display, support LVDS brightness adjustment
Storage	1xSATA 3.0, 1xM.2
Power Supply	DC 12V/19V power supply 5A or above recommended
Heat Sink	Intel HD Graphics 600, support 4K/1080P/H.264/3D Play
Size	NANO-ITX, 120mm x120mm x 24mm
I/O Interfaces	DC_in, HDMI, VGA, 2xUSB3.0, 2xUSB2.0, LAN, Line-Out, MIC_IN, PWR_SW
Built-in Pins	LVDS (or EDP), USB, 2COM (RS232/RS485/RS422 optional), Fan, GPIO, SPK, SIM Card slot
Expansion Bus	1xMini -PCIE, supporting Wifi, 4G/3G, Bluetooth, GPS

QM618L (6th Gen i3、i5、i7) QM718L (7th Gen i3、i5、i7)



Processor	Support 6 th Gen 3855U, 3955U and Sky Lake i3 6100U, i5 6200U, i7 6500U, etc. Support 7 th Gen 3865U, 3965U and Kaby Lake i3 7100U, i5 7200U, i7 7500U, etc.
Memory	1 x DDR4 Max Support 32GB
Ethernet	Intel i211-AT Gigabit LAN, 8x LAN
Audio	Intel i350-AM2 fiber Gigabit LAN, optional 2x fiber I/O Interfaces
Graphics card	Intel HD Graphics 510/520/610/620 support 1080P/H.264/3D Play
Display	1xVGA pin
Storage	1xSATA 3.0, 1xMSATA3.0 (optional M.2)
Power supply	DC 12V power supply 5A or above recommended
Heat sink	Ultra-thin and silent Intelligent temperature control fan
Size	230mm*230mm*21mm
I/O Interfaces	DC_in, RJ50-COM, 2xUSB3.0, LED, 8xLAN, PWR, RST, Optional 2x fiber optic I/O Interfaces
Built-in Pins	VGA, 6xUSB2.0, COM, GPIO, 2xFan, SIM Card slot, LAN-LED, DC-PWR, PS/2
Expansion Bus	1xMini -PCIE, support Wifi, 4G/3G, Bluetooth, GPS

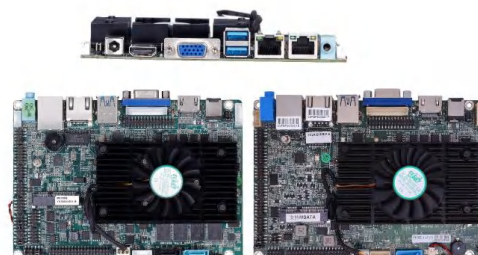
3.5inches: M1085E (8th Gen 10th Gen)



3.5 inches: M8185E M8185L (Onboard 4G/8G RAM)



3.5 inches: M6185E (Onboard 2G/4G RAM) M6195E (External 2G/4G/8G RAM)

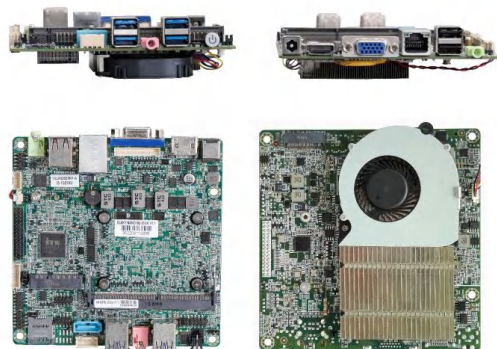


Processor	Support 8 th Gen Whiskey Lake i3 8145U, i5 8265U, i7 8665U, etc. Support 10 th Gen Comet Lake i3 10110U, i5 10210U, i7 10510U, etc.
Memory	1xDDR4 Max Support 32GB
Ethernet	Intel I219V Gigabit LAN, Realtek 8111H Gigabit LAN, single lan optional
Audio	Realtek ALC662/897 HD Audio, support Line-out, Mic-in, Speaker
Graphics card	Integrated Intel UHD Graphics Support 4K/1080P/H264/3D Play
Display	VGA (or HDMI) ,HDMI, LVDS (or EDP) support synchronous and asynchronous triple display and dual display
Storage	1xSATA 3.0, 1xM.2
Power supply	DC 12V/19V power supply 7A or above recommended
Heat sink	Ultra-thin and silent Intelligent temperature control fan
Size	3.5 inch professional structure, 146mm*102mm*26mm
I/O Interfaces	DC_in, HDMI, VGA (or HDMI) , 2x USB3.0, 2xLAN, Line-Out
Built-in Pins	1xLVDS (or EDP), 4xUSB, 6xCOM (COM1 Support RS232/RS422/RS485 optional), Fan, SIM, GPIO, SPK, 1xAudio
Expansion Bus	1xMini-PCIe, support WiFi, 4G/3G, Bluetooth, GPS, MSATA optional

CPU	Support 6 th Gen 3855U, 3955U and Sky Lake i3 6100U, i5 6200U, i7 6500U, etc. Support 7 th Gen 3865U, 3965U and Kaby Lake i3 7100U, i5 7200U, i7 7500U, etc.
Memory	Onboard DDR4 4G/8G RAM
Ethernet	2xRealtek 8111F/H Gigabit LAN, Single Ethernet optional
Audio	Cmedia HS-100B USB Audio, Support Line-out, Mic-in, Speaker
Graphics Card	Intel HD Graphics 510/520/610/620 Support 4K/1080P/H264/3D Play
Display	VGA, HDMI, EDP/LVDS support synchronous and asynchronous triple display and dual display
Storage	1xSATA 3.0, 1xM.2
Power Supply	DC 12V-19V or 19V-24V wide voltage power supply, Recommend Minimum 1.2V5A
Heat Sink	Ultra-thin silent Intelligent temperature-controlled fan
Size	3.5 inch professional structure 146 mm*102mm*26mm
I/O Interfaces	DC_in, HDMI, VGA, 2xUSB3.0, 2xLAN, Line-Out
Built-in Pins	1xEDP (or LVDS), 1xVGA, 4xUSB, 6xCOM (COM1 Support RS232/RS422/RS485 optional), Fan, SIM, GPIO, SPK, 1xAudio, optional 1xSPDIF
Expansion Bus	1 x mini -PCIe, Support WiFi, 4G/3G, Bluetooth, GPS, MSATA optional

CPU	Intel Celeron 1007U, 1037U, 2117U and 3 rd Gen U series Core i3-3217U, i5-3317U, i7-3517U, etc.
Memory	Onboard DDR3 2G/4G RAM, external 1xDDR3 2G/4G/8G RAM
Ethernet	2xRealtek 8111F/H Gigabit Ethernet card, 2xRealtek 8105E 100M Ethernet card optional, single Ethernet optional
Audio	Realtek ALC662/897 HD Audio optional, Cmedia HS-100B USB Audio optional, Support Line-out, Mic-in, Speaker
Graphics Card	Intel HD Graphics Support 1080P, H264, 3D Play
Display	VGA, HDMI, LVDS support synchronous and asynchronous dual display
Storage	1xSATA3.0 (or 2xSATA3.0), 1xMSATA2.0
Power Supply	DC 12V power supply recommended is 5A or above
Heat Sink	Ultra-thin silent Intelligent temperature-controlled fan
Size	3.5 inch professional structure 146 mm*102 mm*25 mm
I/O Interfaces	DC_in, HDMI, VGA, 2xUSB3.0, 2xLAN, Line-Out
Built-in Pins	1xLVDS, 1xVGA, 4xUSB, 6xCOM, Fan, SIM, GPIO, SPK, 1xAudio, 1xSPDIF
Expansion Bus	1 xMini -PCIe, Support WiFi, 4G/3G, Bluetooth, GPS

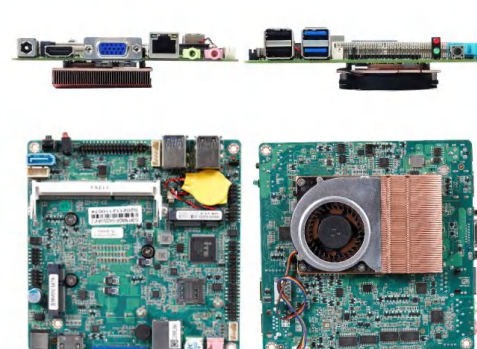
NANO8U NANO10U (8th Gen 10th Gen) NANO12U NANO13U (12th Gen 13th Gen)



NANO6F (6th Gen i3, i5, i7) NANO7F (7th Gen i3, i5, i7)



NANO4F (4th Gen i3, i5, i7) NANO5F (5th Gen i3, i5, i7)

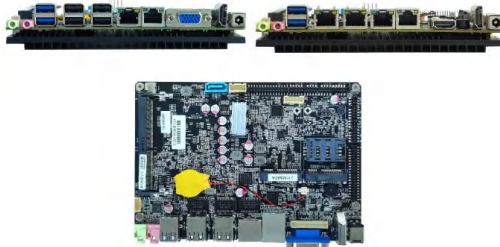


CPU	Support 8 th Gen Whiskey Lake i3 8145U, i5 8265U, i7 8665U, etc. Support 10 th Gen Comet Lake i3 10110U, i5 10210U, i7 10510U, etc. Support 12 th Gen Alder Lake i3 1215U, i5 1235U, i7 1250U, etc. Support 13 th Gen Raptor Lake i3 1315U, i5 1345U, i7 1355U, etc.
Memory	1xDDR4 Max Support 32GB
Ethernet	Realtek 8111 H Gigabit Ethernet card, Realtek 8106E 100M Ethernet card optional, 2xLAN optional
Audio	Cmedia HS-100B USB Audio, Support Line-out, Mic-in, Speaker
Graphics Card	Integrated Intel UHD Graphics Support 4K/1080P/H264/3D Play
Display	VGA, HDMI, LVDS (or EDP) Support synchronous and asynchronous triple display and dual display, and Support LVDS brightness adjustment
Storage	1xSATA 3.0, 1xM.2
Power Supply	DC 12V/19V power supply Recommend 7A or above
Heat Sink	Ultra-thin silent Intelligent temperature-controlled fan
Size	NANO-ITX, 120mmx120mmx34mm
I/O Interfaces	DC_in, HDMI, VGA, 4xUSB3.2, 2xUSB2.0, LAN, Line-out, Mic-in, PWR_SW
Built-in Pins	LVDS (or EDP), VGA, USB, 2 COM (RS232/RS485/RS422 optional), Fan, GPIO, SPK, SIM Card slot
Expansion Bus	1xMini-PCIe, Support WiFi, 4G/3G, Bluetooth, GPS, can be changed to MSATA

CPU	Support 6 th Gen 3855U, 3955U and Sky Lake i3 6100U, i5 6200U, i7 6500U, etc. Support 7 th Gen 3865U, 3965U and Kaby Lake i3 7100U, i5 7200U, i7 7500U, etc.
Memory	1xDDR4 Max Support 32GB
Ethernet	Realtek 8111H Gigabit LAN, 2xLAN optional
Audio	Realtek ALC662 HD Audio, Support Line-out, Mic-in, Speaker
Graphics Card	Intel HD Graphics 510/520/610/620 Support 4K/1080P/H264/3D Play
Display	VGA, HDMI, LVDS (EDP) support synchronous and asynchronous triple display and dual display
Storage	1xSATA 3.0, 1xM.2
Power Supply	DC 12V-19V wide voltage power supply, the Mini mum recommended is 12V5A
Heat Sink	Ultra-thin silent Intelligent temperature-controlled fan
Size	NANO-ITX, 120mmx120mmx36mm
I/O Interfaces	DC_in, HDMI, VGA, 2xUSB3.0, 2xUSB2.0, LAN, Line-Out, MIC_IN, PWR_SW
Built-in Pins	EDP, VGA, USB, 2 COM (RS232/RS485/RS422 optional), Fan, GPIO, SPK, SIM Card slot
Expansion Bus	1xMini-PCIe, Support WiFi, 4G/3G, Bluetooth, GPS, can be changed to MSATA

CPU	Support 4 th Gen Haswell-U i3 4010U, i5 4200U, i7 4510U, etc. Support 5 th Gen Broadwell-U i3 5010U, i5 5200U, i7 5500U, etc.
Memory	1xDDR3L Max Support 16GB
Ethernet	Realtek 8111F/H Gigabit Ethernet card, Realtek 8105E/8106E 100M Ethernet card optional, 2xLAN optional
Audio	Cmedia HS-100B USB Audio, Support Line-out, Mic-in, Speaker
Graphics Card	Intel HD Graphics 4400/5500, Support 4K/1080P/H264/3D Play
Display	VGA, HDMI, LVDS (or EDP) Support synchronous and asynchronous triple and dual displays, and Support LVDS brightness adjustment
Storage	1xSATA 3.0, 1xMSATA3.0
Power Supply	DC 12V /19V power supply Recommend 5A or above
Heat Sink	Ultra-thin silent Intelligent temperature-controlled fan
Size	NANO-ITX, 120mmx120mmx33mm
I/O Interfaces	DC_in, HDMI, VGA, 2xUSB3.0, 2xUSB2.0, LAN, Line-Out, MIC_IN, PWR_SW
Built-in Pins	LVDS (or EDP), VGA, USB, 2 COM (RS232/RS485/RS422 optional), Fan, GPIO, SPK, SIM Card slot
Expansion Bus	1xMini-PCIe, Support WiFi, 4G/3G, Bluetooth, GPS

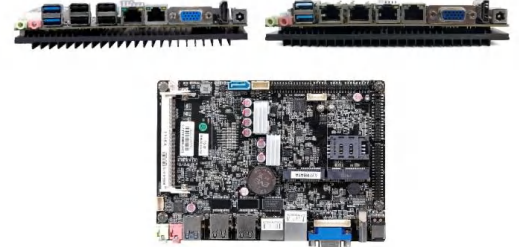
4 inches: M100SE (8th 10th Gen i3, i5, i7)
M11GSE (11th Gen i3, i5, i7)



4 inches: M600SE (6th Gen i3, i5, i7)
M700SE (7th Gen i3, i5, i7)
M800SE (8th Gen i3, i5, i7)



4 inches: M400SE M400I (4th Gen i3, i5, i7)
M500SE M500I (5th Gen i3, i5, i7)

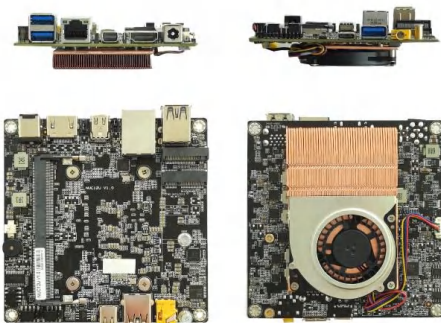


CPU	Support 8 th Gen Whiskey Lake i3 8145U, i5 8265U, i7 8665U, etc. Support 10 th Gen Comet Lake i3 10110U, i5 10210U, i7 10510U, etc. Support 11 th Gen Tiger Lake i3 1125G4, i5 1135G7, i7 1165G7, etc.
Memory	1xDDR4 Max Support 32GB
Ethernet	Intel i226-V Gigabit Ethernet card, 2/3/4xLAN optional
Audio	Realtek ALC662/897 HD Audio, Support Line-out, Mic-in, Speaker
Graphics Card	Integrated Intel UHD Graphics Support 4K/1080P/H264/3D Play
Display	VGA (or HDMI), HDMI, LVDS Support synchronous and asynchronous triple display and dual display, Support LVDS brightness adjustment
Storage	1xSATA 3.0, 1xMSATA 3.0 optional, 1xM.2 optional
Power Supply	DC 12V power supply Recommend 7A or above
Heat Sink	Ultra-thin FANLESS, optional with fan
Size	4-inch professional structure 165mmx115mmx31mm
I/O Interfaces	DC_in, HDMI, VGA, USB, LAN, Line-Out, Mic-In
Built-in Pins	LVDS, VGA, 4xUSB, 6COM (RS232/RS485/RS422 optional), Fan, GPIO, SPK, SIM Card slot
Expansion Bus	1xMini-PCIE, Support Wifi, 4G/3G, Bluetooth, GPS

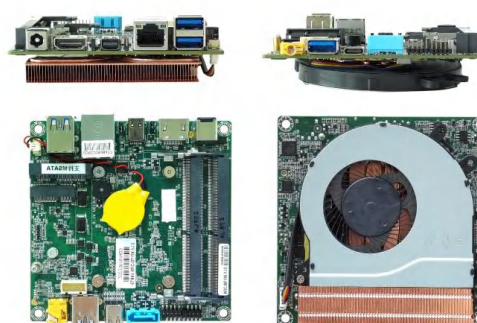
CPU	Support 6 th Gen 3855U, 3955U and Sky Lake i3 6100U, i5 6200U, i7 6500U, etc. Support 7 th Gen 3865U, 3965U and Kaby Lake i3 7100U, i5 7200U, i7 7500U, etc. Support 8 th Gen Kaby Lake-R i3 8130U, i5 8250U, i7 8550U, etc.
Memory	1xDDR4 Max Support 32GB
Ethernet	2xRealtek 8111H Gigabit Ethernet card, single Ethernet optional
Audio	Realtek ALC662/897 HD Audio, Support Line-out, Spdif, Speaker
Graphics Card	Intel HD Graphics 510/520/610/620 Support 4K/1080P/H264/3D Play
Display	VGA, HDMI, LVDS support synchronous and asynchronous triple display and dual display, and support LVDS brightness adjustment
Storage	1xSATA 3.0, 1xMSATA 3.0
Power Supply	DC 12V/19V power supply Recommend 5A or above
Heat Sink	Ultra-thin FANLESS, optional with fan
Size	4-inch professional structure 165mmx115mmx31mm
I/O Interfaces	DC_in, HDMI, VGA, 4xUSB3.0, 2xLAN, Line-Out, Mic-In
Built-in Pins	LVDS, USB, 6 COM (RS232/ RS485/RS422 optional), Fan, GPIO, SPK, SIM Card slot
Expansion Bus	1xMini-PCIE, Support Wifi, 4G/3G, Bluetooth, GPS

CPU	Support 4 th Gen Haswell-U i3 4010U, i5 4200U, i7 4510U, etc. Support 5 th Gen Broadwell-U i3 5010U, i5 5200U, i7 5500U, etc.
Memory	1xDDR3L Max Support 16GB
Ethernet	Realtek 8111H Gigabit Ethernet card, Intel i211-AT Gigabit Ethernet card optional, 2/3/4xLAN optional
Audio	Cmedia HS-100B USB Audio, Support Line-out, Mic-in, Speaker
Graphics Card	Intel HD Graphics 4400/5500, Support 4K/1080P/H264/3D Play
Display	VGA, HDMI, LVDS support synchronous and asynchronous triple display and dual display, support LVDS brightness adjustment
Storage	1xSATA 3.0, 1xMSATA 3.0
Power Supply	DC 12V power supply Recommend 5A or above
Heat Sink	Ultra-thin FANLESS, optional with fan
Size	4inch 165mm x 115mm x 31mm
I/O Interfaces	DC_in, HDMI, VGA, USB, LAN, Line-Out, Mic-In
Built-in Pins	LVDS, VGA, 4xUSB, 6COM (RS232/RS485/RS422 optional), Fan, GPIO, SPK, SIM Card slot
Expansion Bus	1xMini-PCIE, Support Wifi, 4G/3G, Bluetooth, GPS

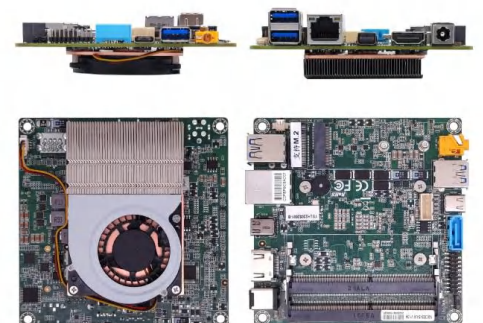
NUC12U (12th Gen i3, i5, i7, i9)
NUC13U (13th Gen i3, i5, i7, i9)



NUC8U (8th Gen i3, i5, i7)
NUC10U (10th Gen i3, i5, i7)



NUC600 (6th Gen i3, i5, i7)
NUC700 (7th Gen i3, i5, i7)



CPU	Support 12 th Alder Lake i3 1215U, i5 1235U, i7 1250U, etc. Support 12 th Alder Lake i3 1200P, i5 1245P, i7 1280P, etc. Support 12 th Alder Lake i5 12500H, i7 12800H, i9 12900H, etc. Support 13 th Raptor Lake i3 1315U, i5 1335U, i7 1355U, etc. Support 13 th Raptor Lake i5 1340P, i7 1360P, etc. Support 13 th Raptor Lake i5 13500H, i7 13700H, i9 13900H, etc.
Memory	1xDDR4 Max Support 32GB
Ethernet	Support Intel i219V Gigabit LAN
Audio	Realtek ALC897 HD Audio, support Line-out/Mic-in
Graphics Card	Integrated Intel UHD Graphics, Support 4K/1080P/H264/3D Play, Support 4K@60HZ
Display	Mini DP and HDMI support synchronous and asynchronous dual display
Storage	1xM.2
Power Supply	DC 9V~24V wide voltage power supply Recommend 7A or above
Heat Sink	Ultra-thin silent intelligent temperature-controlled fan
Size	NUC, 100mm x 100mm x 32mm
I/O Interfaces	DC_in, HDMI, Mini-DP, 3xUSB3.2, 1xType-C, LAN, Audio
Built-in Pins	2xUSB, 1xCOM
Expansion Bus	1xM.2_2230 supporting M.2-WiFi, Bluetooth

Processor	Support 8 th Gen Whiskey Lake i3 8145U, i5 8265U, i7 8665U etc Support 10 th Gen Comet Lake i3 10110U, i5 10210U, i7 10510U etc Support 12 th Gen Alder Lake i3 1215U, i5 1235U, i7 1250U, etc. Support 13 th Gen Raptor Lake i3 1315U, i5 1345U, i7 1355U, etc.
Memory	1xDDR4 Max support 32GB
Ethernet	Intel i219V 1000M LAN
Audio	Cmedia HS-100B USB Audio, Support Line-out, Mic-in
Graphics Card	Mini DP, HDMI support synchronous asynchronous dual display integration Intel UHD Graphics support 4K/1080P/H264/3D Play
Display	Mini DP and HDMI support synchronous and asynchronous dual display
Storage	1xSATA 3.0, 1xMSATA 3.0
Power Supply	DC 12V/19V power supply recommended at 7A or above
Heat Sink	Ultra thin silent intelligent temperature control fan
Size	NANO-ITX, 100mm x 100mm x 32mm
I/O Interfaces	DC_in, HDMI, Mini-DP, Type-C, 3xUSB3.2, LAN, Audio
Built-in Pins	2xUSB 2.0, 1xFan
Expansion Bus	1xM.2_2230 Support M.2-WiFi, Bluetooth

Processor	Support 6 th Gen 3855U, 3955U and SkyLake i3 6100U, i5 6200U, i7 6500U etc Support 7 th Gen 3865U, 3965U and KabyLake i3 7100U, i5 7200U, i7 7500U etc
Memory	2xDDR4 Max Support 64GB
Ethernet	Intel WG i219V 1000M LAN
Audio	Cmedia HS-100B USB Audio, Support Line-out, Mic-in
Graphics Card	Intel HD Graphics 510/520/610/620 Support 4K/1080P/H264/3D Play
Display	HDMI, Mini-DP, support synchronous, asynchronous dual display
Storage	1xSATA 3.0, 1xM.2
Power Supply	DC 12V power supply 5A or above recommended
Heat Sink	Ultra-thin and silent intelligent temperature control fan
Size	NUC, 100mm x 100mm x 36mm
I/O Interfaces	DC_in, HDMI, Mini-DP, 3xUSB3.0, 1xType-C, LAN, Audio
Built-in Pins	USB
Expansion Bus	1xM.2_2230 supporting M.2-WiFi, Bluetooth



国家级高新技术企业 广东省专精特新企业
英特尔钛金级全球合作伙伴 (intel) 中国智造基地成员
广东省工业视觉控制终端工程技术研究中心

National High-Tech Enterprise, Guangdong Specialized and Versed Enterprise
Intel Titanium Global Partner, Member of intel China Smart Manufactory Base
Guangdong Industrial Vision Control Terminal Technology Research Center

整机产品型录

ELSKY COMPUTER CATALOG 2024



深圳市研盛芯控电子科技有限公司

SHENZHEN ELSKY TECHNOLOGY CO.,LTD

<http://www.miniboard.cn>

Oversea Business: +86-13145827500 (Mob and Wechat)

Email: elsky@foxmail.com Skype: elsky2008

TEL: +86-755-82260150

Office Add: 8th Floor, Building 7, KangLiCheng, No.66, Pingji Avenue,
Shanglilang Community, Nanwan Street, Longgang District, Shenzhen, Guangdong

Factory Add: 4th Floor, Block A, WanGuoCheng, No.9 Pinglang Road,
Nanwan Street, Longgang District, Shenzhen, Guangdong

Official Wechat Account
For More Details



The final interpretation right of product information is belonged to
Shenzhen ELSKY Technology Co., Ltd

MXM Independent Graphics:
OPS-MX6900 (6-7-8-9th Gen)
OPS-MX6900H (P Series Independent graphics)
OPS-MX8900 (8-9th Gen)



Model	MX42-OPS-MX6900 / MX6900H / MX6900H	MX30-OPS-MX6900 / MX6900 / MX6900H
Case size	180mm*195mm*42mm	180mm*195mm*30mm
Interface	1*DC_IN,1*HDMI,1*DP,1*LAN,6*USB,1*AUDIO,1*CMOS,1*GHOST,1*OPS HDMI+DP+OPS HDMI+OPS DP, Support 4 display*4k@60Hz	
CPU	MX6900/MX6900H: Intel 6 th /7 th /8 th /9 th LGA 1151 Core i3、i5、i7、i9 MX8900: Intel 8 th / 9 th LGA 1151 Core i3、i5、i7、i9	
Independent graphics	High performance AI Support NVIDIA GTX1030-2G MXM Independent graphics (without DP) Support NVIDIA GTX1050Ti-4G MXM Independent graphics Support NVIDIA GTX1650-4G MXM Independent graphics Support AMD RX550-4G MXM Independent graphics OPS-MX6900H Support above independent graphics and Support P series independent graphics as below Support NVIDIA P1000-4G MXM Independent graphics Support NVIDIA P2000-4G MXM Independent graphics Support NVIDIA P3000-6G MXM Independent graphics Support NVIDIA P4000-8G MXM Independent graphics	
Power Supply	Support 12V/19V power supply 15A or above recommended	
Memory	2*NB DDR4 4G/8G/16G/32G/64G	
Storage	M.2 SSD、2.5 inches SSD/HDD、optional MSATA、64G/128G/256G/512G/1TB/2TB etc.	
Expansion Bus	1xMini-PCIE, Support WIFI, 4G/3G,Bluetooth,GPS,optional MSATA SSD	

OPS-H81 OPS-H110
OPS-H310 OPS-H510 OPS-H610



Model	OPS-H81(H81 chipset), OPS-H81-GT(Independent graphics) OPS-H110(H110 chipset), OPS-H110-GT(Independent graphics) OPS-H310(H310 chipset), OPS-H310-GT(Independent graphics) OPS-H510(H510 chipset), OPS-H510-GT(Independent graphics) OPS-H610(H610 chipset), OPS-H610-GT(Independent graphics)	
Interface	1*DC_IN,1*HDMI,1*VGA/DP,1*LAN,1*COM,4/6*USB,1*AUDIO,1*CMOS,1*GHOST,1*OPS Motherboard DP optional; Support expansion card HDMI&DP	
Case size	180mm*195mm*42mm (optional 180mm*195mm*30mm)	
CPU	H81: Intel 4 th Haswell LGA 1150 core i3/i5/i7 H110: Intel 6 th Skylake&7 th Kaby Lake LGA 1151 core i3/i5/i7 H310: Intel 8 th 9 th Coffee Lake LGA 1151 core i3/i5/i7/i9 H510: Intel 10 th 11 th Comet Lake LGA 1200 core i3/i5/i7/i9 H610: Intel 12 th Alder Lake&13 th Raptor Lake LGA 1700 core i3/i5/i7/i9	
Power Supply	Support 12V/19V power supply 10A or above recommended	
Memory	NB DDR3/DDR4 2G/4G/8G/16G/32G/64G/128G	
Storage	MSATA SSD or M.2 SSD、2.5 inches SSD/HDD、64G/128G/256G/512G/1TB/2TB etc.	
Expansion Bus	1xMini-PCIE, Support WIFI, 4G/3G,Bluetooth,GPS	

MXM Independent graphics :
OPS-MX5100 (10th 11th Gen)



Model	MX42-OPS-MX5100	MX30-OPS-MX5100
Case size	180mm*195mm*42mm	180mm*195mm*30mm
Interface	1*DC_IN,1*HDMI,1*DP,1*LAN,6*USB,1*AUDIO,1*CMOS,1*GHOST,1*OPS HDMI+DP+OPS HDMI+OPS DP, Support 4display*4K 60Hz	
CPU	Intel 10 th 11 th LGA 1200 core i3、i5、i7、i9	
Independent graphics	High performance AI Support NVIDIA GTX1030-2G MXM Independent graphics (without DP) Support NVIDIA GTX1050Ti-4G MXM Independent graphics Support NVIDIA GTX1650-4G MXM Independent graphics Support AMD RX550-4G MXM Independent graphics Support NVIDIA P1000-4G MXM Independent graphics Support NVIDIA P2000-4G MXM Independent graphics Support NVIDIA P3000-6G MXM Independent graphics Support NVIDIA P4000-8G MXM Independent graphics	
Power Supply	Support 12V/19V power supply 15A or above recommended	
Memory	2*NB DDR4 4G/8G/16G/32G/64G	
Storage	M.2 SSD、2.5 inches SSD/HDD、optional MSATA、64G/128G/256G/512G/1TB/2TB etc.	
Expansion Bus	1xMini-PCIE, Support WIFI, 4G/3G,Bluetooth,GPS,optional MSATA SSD	

OPS-GT6000 OPS-GT7000



Model	P42N-OPS-GT6000/7000	P33N-OPS-GT6000/7000	P30N-OPS-GT6000/7000
Interface	1*DC_IN,1*HDMI,1*VGA, 1*LAN,4*USB,1*AUDIO, 1*OPS,1*COM,1*GHOST Support expansion card LVDS	1*DC_IN,1*HDMI,1*VGA, 1*LAN,4*USB,1*AUDIO, 1*OPS,1*GHOST Support expansion card LVDS	1*DC_IN,1*HDMI,1*VGA, 1*LAN,4*USB,1*AUDIO, 1*OPS,1*GHOST Support expansion card LVDS
Case size	180mm*195mm*42mm	180mm*195mm*33mm	180mm*195mm*30mm
CPU	Support Intel 6 th 7 th 3855U、3865U&Core i3/i5/i7		
Independent graphics	High performance AI Integrated NVIDIA MX150 DDR5 2G Independent graphics		
Power Supply	Support 12V/19V power supply 7A or above recommended		
Memory	NB DDR4 2G/4G/8G/16G/32G		
Storage	MSATA SSD、2.5 inches SSD/HDD、64G/128G/256G/512G/1TB/2TB etc.		
Expansion Bus	1xMini-PCIE, Support WIFI, 4G/3G,Bluetooth,GPS		

FANLESS Industrial PC: IPC6800 IPC6900



Model	IPC6800 IPC6900 (silver&black optional)
Interface	1*DC_IN,1*HDMI,1*VGA (or DP) ,2*LAN,6*COM,6*USB,1*AUDIO,1*PWR
optional Interface	1*LAN,8*USB,2*COM,GPIO,Phoenix Terminal
Case size	IPC6800: 286mm*205mm*76mm IPC6900: 220mm*210mm*80mm
Power Supply	Support 12V/19V power supply 10A or above recommended
Heat Sink	Fully enclosed, FANLESS
CPU	Intel 8-10-11-12-13-14 th Core i3, i5, i7, i9
Memory	NB DDR4 4G/8G/16G/32G/64G/128G
Storage	MSATA SSD or M.2 SSD , 2.5 inches SSD/HDD , 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE , Support WIFI , 4G/3G,Bluetooth,GPS,optional MSATA SSD

FANLESS Industrial PC: IPC6000 IPC7000 Industrial PC with Fan: IPC6001



Model	IPC6000 / IPC6001	IPC7000
Interface	1*DC_IN,1*HDMI,1*VGA,1*LAN,6*COM,8*USB,1*AUDIO	1*DC_IN,1*HDMI,1*VGA,1*LAN,2*COM,8*USB,1*AUDIO
optional Interface	2*LAN,10*USB,1*GPIO,1*COM,without COM, DM,Phoenix Terminal	2*LAN,6*USB
Case size	213mm (base 234mm) *200mm*52mm	200mm*200mm*40mm
Power Supply	Default support for 12V, some motherboards support 19V, recommended 5A or above	
Heat Sink	IPC6000 / IPC7000 (Fully enclosed, FANLESS) / IPC6001 (with silent fan)	
CPU	Intel 3-4-5-6-7 th Core i3, i5, i7 & Celeron 1037U, J1900, J4125, J6412, 3855U, 3865U, J3355, N3160 etc.	
Memory	NB DDR3L/DDR4 2G/4G/8G/16G/32G/64G	
Storage	MSATA SSD or M.2 SSD , 2.5 inches SSD/HDD , 64G/128G/256G/512G/1TB/2TB etc.	
Expansion Bus	1xMini-PCIE , Support WIFI , 4G/3G,Bluetooth,GPS	

FANLESS Industrial PC: SPC108



Model	SPC108 (3.5 inches motherboard)
CPU	Support Intel 8 th and 10 th Gen Core i3/i5/i7
Interfaces	1*DC_IN,1*HDMI,1*VGA,2*LAN,6*COM,6*USB,1*AUDIO
Optional interface	1*LAN, 8*USB, Dual HDMI
Cases Size	200mm (base 235mm)*150mm*70mm
Power Supply	Support 12V/19V power supply 5A or above recommended
Heat Sink	Fully enclosed, FANLESS
Memory	NB DDR3L/DDR4 2G/4G/8G/16G/32G
Storage	M.2 SSD, 2.5 inches SSD /HDD, optional MSATA SSD , 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE , Support WIFI ,4G/3G,Bluetooth,GPS

FANLESS Industrial PC: SPC450 SPC670



Model	SPC450	SPC670
CPU	Support Intel 4 th and 5 th Gen Core i3/i5/i7	Support Intel 6 th and 7 th Gen 3855U, 3865U and Core i3/i5/i7
Interfaces	1*DC_IN,1*HDMI,1*VGA,2*LAN,6*COM,8*USB,1*AUDIO	
Optional interface	2*LAN / 3*LAN / 4*LAN , 6*USB	
Cases Size	215mm (base 235mm)*150mm*52mm	
Power Supply	Support 12V power supply 5A or above recommended	Support 12V/19V power supply 5A or above recommended
Heat Sink	Fully enclosed, FANLESS	
Memory	NB DDR3L/DDR4 2G/4G/8G/16G/32G	
Storage	MSATA SSD , 2.5 inches SSD/HDD , 64G/128G/256G/512G/1TB/2TB etc.	
Expansion Bus	1xMini-PCIE , Support WIFI ,4G/3G,Bluetooth,GPS	

OPS-13U (13th Gen)
OPS-12U (12th Gen)
OPS-11U (11th Gen)



Model	OPS-13U, OPS-12U, OPS-11U
Interfaces	1*DC_IN, 1*HDMI, 1*DP, 1*Type-C, 1*LAN, 4*USB, 1*AUDIO, 1*OPS, 1*GHOST HDMI+DP+OPS HDMI+OPS DP, Support 4 displays*4K@60Hz
Cases Size	180mm*120mm*30mm
CPU	OPS-13U Support Intel 13 th Gen Core i3/i5/i7 OPS-12U Support Intel 12 th Gen Core i3/i5/i7 OPS-11U Support Intel 11 th Gen Core i3/i5/i7
Power Supply	Support 12V/19V power supply 7A or above recommended
Memory	NB DDR4 2G/4G/8G/16G/32G
Storage	M.2 SSD, 2.5 inches SSD/HDD (No 2.5 inches SSD available), 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xM.2_WiFi or 1xMini-PCIE, Support WiFi, 4G, Bluetooth, GPS

OPS-9900 (6-7th Gen)
OPS-9950 (6-7-8th Gen)
OPS-994K (6-7-8th Gen)



Model	OPS-9900, OPS-9950, OPS994K
Interfaces	1*DC_IN, 1*HDMI, 1*VGA, 1*LAN, 4*USB, 1*AUDIO, 1*OPS, 1*GHOST Support OPS DP, 4K@30Hz
Cases Size	180mm*120mm*30mm
CPU	OPS-9900 Support Intel 6 th 7 th Gen 3855U, 3865U and Core i3/i5/i7 OPS-9950 Support Intel 7 th 8 th Gen Core i3/i5/i7 OPS-994K Support Intel 6 th 7 th 8 th Gen Core i3/i5/i7
Power Supply	Support 12V/19V power supply 5A or above recommended
Memory	NB DDR3L/DDR4 2G/4G/8G/16G/32G
Storage	MSATA SSD, 2.5 inches SSD/HDD (No 2.5 inches SSD available), 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE, Support WiFi, 4G/3G, Bluetooth, GPS

OPS-10U (10th Gen) OPS-8U (8th Gen)



Model	OPS-10U, OPS-8U
Interfaces	1*DC_IN, 1*HDMI, 1*Type-C, 1*LAN, 4*USB, 1*AUDIO, 1*OPS, 1*GHOST Support OPS DP, 4K@60Hz
Cases Size	180mm*120mm*30mm
CPU	OPS-10U Support Intel 10 th Gen Core i3/i5/i7 OPS-8U Support Intel 8 th Gen Core i3/i5/i7
Power Supply	Support 12V/19V power supply 7A or above recommended
Memory	NB DDR4 2G/4G/8G/16G/32G
Storage	MSATA SSD, 2.5 inches SSD/HDD (No 2.5 inches SSD available), 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE, Support WiFi, 4G/3G, Bluetooth, GPS

OPS9400 (4th Gen) OPS9500 (5th Gen)



Model	OPS-9400, OPS-9500
Interfaces	1*DC_IN, 1*HDMI, 1*VGA, 1*LAN, 4*USB, 1*AUDIO, 1*OPS, 1*GHOST Support OPS DP, Support 4K@30Hz
Cases Size	180mm*120mm*30mm
CPU	OPS-9400 Support Intel 4 th Gen Core i3/i5/i7 OPS-9500 Support Intel 5 th Gen Core i3/i5/i7
Power Supply	Support 12V/19V power supply 5A or above recommended
Memory	NB DDR3L 2G/4G/8G/16G
Storage	MSATA SSD, 2.5 inches SSD/HDD (No 2.5 inches SSD available), 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE, Support WiFi, 4G/3G, Bluetooth, GPS

Network Platform: SPC10U



Model	SPC10U
CPU	Support Intel 8 th / 10 th / 11 th Gen core i3/i5/i7
Interfaces	1*DC_IN, 1*HDMI, 1*VGA, 2*LAN, 6*COM, 10*USB, 1*AUDIO
Optional Interfaces	3*LAN / 4*LAN, 6*USB / 8*USB, dual HDMI
Cases Size	200mm (base 235mm) * 150mm * 70mm
Power Supply	Support 12V/19V power supply 7A or above recommended
Heat Sink	Fully enclosed, FANLESS
Memory	NB DDR3L/DDR4 2G/4G/8G/16G/32G
Storage	M.2 SSD, 2.5 inches SSD / HDD, MSATA SSD optional, 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE, Support WIFI, 4G/3G, Bluetooth, GPS

Network Platform: M10U



Model	M10U
Interfaces	1*DC_IN, 1*HDMI, 1*VGA, 2*LAN, 6*COM, 10*USB, 1*AUDIO
Optional Interfaces	3*LAN / 4*LAN, 6*USB / 8*USB, dual HDMI
Cases Size	200mm (base 235mm) * 150mm * 63mm
CPU	Support Intel 10 th / 11 th Gen i3/i5/i7
Power Supply	Support 12V/19V power supply 7A or above recommended
Heat Sink	With electrostatic fan
Memory	1*Nb DDR4 4G/8G/16G/32G
Storage	M.2 SSD, 2.5 inches SSD / HDD, 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE or 1xM.2_WIFI, Support WIFI, 4G, Bluetooth, GPS, Optional 1xM.2_5G, Support 5G/4G

Network Platform: U104 U106 U108 U108-2 F



Model	U104	U106	U108	U108-2F (with fiber port)
CPU	Intel Celeron J1800, J1900, Pentium J2900, etc.		Intel 6-7 th Gen LGA 1151 Core i3/i5/i7	
Network Card	Intel i210/i211-AT Gigabit LAN, 4/6*LAN optional, 6 mesh belt 2 bypass optional		Intel i211-AT Gigabit LAN, LAN1~4 Support Bypass, Intel i350-AM2 fiber optic Gigabit LAN optional	
Cases Size	427mm*248mm*44mm		427mm*301mm*44mm	
Power Supply	Support 12V power supply 5A or above recommended		Support ATX power supply of 200W or above	
Heat Sink	With electrostatic fan			
Interfaces	1*ATX, 1*RJ50-COM, 1*VGA, 4/6/8*LAN, 4/6/8*USB, 1*COM, 2*Fiber LAN optional			
Memory	NB DDR3L/DDR4 2G/4G/8G/16G/32G/64G			
Storage	MSATA SSD / M.2 SSD, 2.5 inches SSD/ HDD, 64G/128G/256G/512G/1TB/2TB etc.			
Expansion Bus	1xMini-PCIE, Support WIFI, 4G/3G, Bluetooth, GPS			

Network Platform: U608 U608F



Model	U608 U608F (with fiber port)
CPU	Support Intel 6 th 7 th Gen 3855U, 3865U and Core i3/i5/i7
Network Card	Intel i211-AT Gigabit LAN, Intel i350-AM2 fiber optic Gigabit LAN optional
Cases Size	340mm*265mm*44mm
Power Supply	Support 12V/19V power supply 5A or above recommended
Heat Sink	With electrostatic fan
Interfaces	1*DC_IN, 1*RJ50-COM, 1*VGA, 8*LAN, 8*USB, 1*COM, 2*Fiber LAN optional
Memory	NB DDR4 2G/4G/8G/16G/32G
Storage	MSATA SSD / M.2 SSD, 2.5 inches SSD / HDD, 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE, Support WIFI, 4G/3G, Bluetooth, GPS

Network Platform: M104 M106



Model	M104 M106
CPU	Intel Celeron J1800, J1900, Pentium J2900, etc.
Network Card	Intel i210/i211-AT Gigabit network card, 4/6*LAN optional, 6 network with 2 Bypass optional
Cases Size	190mm*200mm*44mm
Power Supply	Support 12V power supply 5A or above recommended
Heat Sink	With electrostatic fan
Interfaces	1*DC_IN, 1*RJ50-COM, 1*VGA, 4/6*LAN, 4*USB, 1*COM
Memory	NB DDR3L 2G/4G/8G
Storage	MSATA SSD, 2.5 inches SSD / HDD, 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE, Support WIFI, 4G/3G, Bluetooth, GPS

Network Platform: M680 M780



Model	M680 M780
CPU	Support Intel 6 th 7 th Gen 3855U, 3865U and Core i3/i5/i7
Network Card	Intel i211-AT Gigabit LAN
Cases Size	232mm*107mm*62mm
Power Supply	Support 12V/19V power supply 5A or above recommended
Heat Sink	Fully enclosed, FANLESS
Interfaces	1*DC_IN, 1*HDMI, 6*LAN, 4*USB, 1*COM, LED, PWR, RST
Memory	NB DDR4 2G/4G/8G/16G/32G
Storage	MSATA SSD, 2.5 inches SSD / HDD, 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE, Support WIFI, 4G/3G, Bluetooth, GPS

NANO PC: NANO10 (8-10-12-13th Gen)



Model	NANO10
Interfaces	1*DC_IN, 1*HDMI, 1*VGA, 1*LAN, 6*USB, 1*AUDIO, 2*COM, 1*PWR
Cases Size	136mm*127mm*42mm
Power Supply	Support 12V/19V power supply 7A or above recommended
Heat Sink	With electrostatic fan
CPU	Support Intel 8 th / 10 th / 12 th / 13 th Gen Core i3/i5/i7
Memory	NB DDR4 2G/4G/8G/16G/32G
Storage	M.2 SSD, 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE, Support WiFi, 4G/3G, Bluetooth, GPS, can be changed to MSATA SSD

NANO PC: N67 (6th7th) N45 (4th5th)



Model	N67	N45
Cases Size	136mm*126mm*44mm	138mm*128mm*40mm
Power Supply	Support 12V/19V power supply 5A or above recommended	Support 12V/19V power supply 5A or above recommended
Heat Sink	With electrostatic fan	With electrostatic fan
CPU	Support Intel 6 th and 7 th Gen 3855U, 3865U and Core i3/i5/i7	Support Intel 4 th and 5 th Gen Core i3/i5/i7
Interfaces	1*DC_IN, 1*HDMI, 1*VGA, 1*LAN, 4*USB, 1*AUDIO, 1*SIM, 1*COM, 1*PWR	1*DC_IN, 1*HDMI, 1*VGA, 1*LAN, 4*USB, 1*AUDIO, 2*COM, 1*PWR
Memory	NB DDR4 2G/4G/8G/16G/32G	NB DDR3L 2G/4G/8G
Storage	M.2 SSD, 64G/128G/256G/512G/1TB/2TB etc.	MSATA SSD, 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE, Support WiFi, 4G/3G, Bluetooth, GPS, can be changed to MSATA SSD	1xMini-PCIE, Support WiFi, 4G/3G, Bluetooth, GPS

NANO PC: NANO19(J1900,J4125)



Model	NANO19
Interfaces	1*DC_IN, 1*HDMI, 1*VGA, 1*LAN, 4*USB, 1*AUDIO, 1*COM, 1*PWR, 1*SIM
Optional Interface	Phoenix terminal, 2*LAN, 2*COM, 4/6*USB, no COM
Cases Size	Conventional: 134mm*126mm*46mm Thin model: 134mm*126mm*39mm
Power Supply	Support 12V power supply 5A or above recommended
Heat Sink	FANLESS
CPU	Intel Celeron J1800, J1900, Pentium J2900, etc. Celeron J4125, J4025, etc.
Memory	NB DDR3L 2G/4G/8G
Storage	MSATA SSD, 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE, Support WiFi, 4G/3G, Bluetooth, GPS

intel NUC: NUC67 (6-7-8-10-12-13th)



Model	NUC67
Interfaces	1*DC_IN, 1*HDMI, 1*Mini-DP, 1*LAN, 3*USB3.0, 1*Type C:3.0, 1*AUDIO, 1*PWR
Cases Size	110mm*107mm*39mm
Power Supply	Default support for 12V, some motherboards support 19V, recommended 5A or above
Heat Sink	With electrostatic fan
CPU	Support Intel 6 th / 7 th Gen Celeron 3855U/3865U and Core i3/i5/i7 Support Intel 8 th / 10 th / 12 th / 13 th Gen Core i3/i5/i7
Memory	2*NB DDR4 4G/8G/16G/32G/64G
Storage	M.2 SSD or MSATA SSD, 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1*M.2_WIFI, Support WiFi, Bluetooth

Industrial Computer With Fan: M108 (3.5 inches)



Model	M108
Interfaces	1*DC_IN, 1*HDMI, 1*VGA, 2*LAN, 6*COM, 6*USB, 1*AUDIO
Optional Interface	1*LAN, 8*USB, dual HDMI
Cases Size	200mm(base 235mm)*150mm*45mm
Power Supply	Default support for 12V, some motherboards support 19V, Optional 12V~19V or 19V~24V wide voltage power supply, recommended 5A or above
Heat Sink	With electrostatic fan
CPU	Intel 3-6-7-8-10 th Gen Core i3, i5, i7 and Celeron 1037U, J1800, J1900, J4125, 3855U, 3865U, etc.
Memory	NB DDR3L/DDR4 2G/4G/8G/16G/32G
Storage	MSATA SSD or M.2 SSD, 2.5 inches SSD/HDD, 64G/128G/256G/512G/1TB/2TB etc.
Expansion Bus	1xMini-PCIE or 1xM.2_WIFI, Support WiFi, 4G, Bluetooth, GPS

FANLESS Industrial PC: M818 (6th 7th Gen) M618 (3rd Gen) M219SE (J1900)



Model	M818	M618	M219SE
Cases Size	160mm*126mm*57mm (foot 5.5mm)	214mm (base 235mm)*150mm*52mm	160mm*135mm*50mm
CPU	Support Intel 6 th and 7 th Gens 3855U, 3865U and Core i3/i5/i7	Support Intel 1037U and 3 rd Gen U Core i3/i5/i7	Intel Celeron J1800, J1900, Pentium J2900
Memory	Onboard DDR4 4G/8G	Onboard DDR3 2G/4G Or NB DDR3 2G/4G/8G	NB DDR3L 2G/4G/8G
Power Supply	Support 12V~19V or 19V~24V wide voltage power supply 5A or above recommended	Support 12V power supply 5A or above recommended	Support 12V power supply 5A or above recommended
Heat Sink	FANLESS		
Storage	1*DC_IN, 1*HDMI, 1*VGA, 2*LAN, 6*USB, 1*AUDIO, 6*COM, 1*PWR		
Optional Interface	Phoenix terminal, 2*COM, 1*LAN		
Memory	MSATA SSD or M.2 SSD, 2.5 inches SSD/HDD, 64G/128G/256G/512G/1TB/2TB etc.		
Expansion Bus	1xMini-PCIE, Support WiFi, 4G/3G, Bluetooth, GPS		

MINI PC: HD4000 HD4001

HD4002 HD4003

HD4005 HD4006

HD4008 HD4009

HD5001 HD5006



Model	HD4000, HD4001, HD4002, HD4003, HD4005, HD4006, HD4008, HD4009, HD5001, HD5006				
Interfaces	1*DC_IN, 1*HDMI, 1*VGA, 1/2*LAN, 4/6*USB, 1*AUDIO, 1/2*COM				
Optional Interface	Phoenix terminal, no COM, DP, dual HDMI				
Color	Silver or black Optional				
Heat Sink	With electrostatic fan				
Power Supply	Default support for 12V, some motherboards support 19V, recommended 5A or above				
Cases Size	HD4000: 197mm*197mm*52mm HD4001: 197mm*197mm*37mm	HD4002: 197mm*197mm*43mm HD4003: 197mm*197mm*32mm	HD4005: 197mm*197mm*32mm HD4006: 197mm*197mm*40mm	HD4008: 197mm*197mm*32mm HD4009: 197mm*197mm*57mm	HD5001: 180mm*215mm*30mm HD5006: 180mm*215mm*30mm
CPU	Intel 2-3-4-5-6-7-8-9-10-11-12-13-14 th Gen Core i3/i5/i7/i9 and Celeron 1037U, J1900, J1800, J4125, J6412, 3855U, 3865U, J3355, N3160, etc.				
Memory	NB DDR3L/DDR4 2G/4G/8G/16G/32G/64G				
Storage	MSATA SSD or M.2 SSD, 2.5 inches SSD/HDD, 64G/128G/256G/512G/1TB/2TB etc.				
Expansion Bus	1xMini-PCI-E or 1xM.2_WiFi, Support WiFi, 4G/3G, Bluetooth, GPS				

Independent Graphic Card Industrial PC: K2P K6P K8P

IPC100U(1U) IPC200U(2U) IPC400U(4U)



Model	K2P	K6P	K8P (white/black)
Interfaces	ATX, 2*VGA, 2*LAN, 10*USB, 10*COM, AUDIO, PS/2, PCIe x16 independent graphics card interface	ATX, 2*VGA, 2*LAN, 10*USB, 8*COM, AUDIO, PS/2, PCIe x16 independent graphics card interface	DC_IN, HDMI, VGA (or DP), LAN, 8*USB, 1*COM, AUDIO, PCIe x16 independent graphics card interface
Cases Size	356mm*220mm*88mm	120mm*270mm*280mm	320mm*216mm*54mm
Power Supply	Supports ATX power supply of 200W or above, Or Support DC 12V, some motherboards support DC 19V, recommended 5A or above		
Heat Sink	With electrostatic fan		
CPU	Intel 4-6-7-8-9-10-11-12-13-14 th Gen Core i3/i5/i7/i9		
Memory	NB DDR3L/DDR4 2G/4G/8G/16G/32G/64G/128G		
Storage	MSATA SSD or M.2 SSD, 2.5 inches SSD/HDD, 64G/128G/256G/512G/1TB/2TB etc.		
Expansion Bus	1xMini-PCI-E or 1xM.2_WiFi, Support WiFi, 4G/3G, Bluetooth, GPS		

Model	UPC1000	UPC2000	UPC4000
Cases Size	480mm*301mm*44.5mm	480mm*350mm*88mm	413mm*351mm*160mm
Interfaces	DP, Dual HDMI, 2*LAN	DP, Dual HDMI, DP, 2*LAN, PS2, Optional independent graphics card	
Power Supply	Supports ATX power supply of 200W or above, Or Support DC 12V, some motherboards support DC 19V, recommended 5A or above		
Heat Sink	With electrostatic fan		
CPU	Intel 2-3-4-5-6-7-8-9-10-11-12-13-14 th Gen Core i3/i5/i7/i9 and Celeron 1037U, J1900, J1800, J4125, J6412, 3855U, 3865U, J3355, N3160 etc.		
Memory	NB DDR3L/DDR4 2G/4G/8G/16G/32G/64G/128G		
Storage	MSATA SSD or M.2 SSD, 2.5 inches SSD/HDD, 64G/128G/256G/512G/1TB/2TB etc.		
Expansion Bus	Mini-PCI-E or M.2 WiFi, Support WiFi, 4G, Bluetooth, GPS, M.2_5G optional, Support 4G/5G module		

OPS2000 (2nd Gen i3、i5、i7)
OPS4000 (4th Gen i3、i5、i7)
OPS2380 (2-3rd Gen M i3、i5、i7)
OPS6000 (6th Gen i3、i5、i7, 4K)
OPS8000 (8th Gen i3、i5、i7, 4K)
OPS-10H (10th Gen i3、i5、i7, 4K)
OPS-12H (12th Gen i3、i5、i7, 4K)

OPS3000 (3rd Gen i3、i5、i7)
OPS5000 (5th Gen i3、i5、i7)
OPS8600 (4th Gen M i3、i5、i7, 4K)
OPS7000 (7th Gen i3、i5、i7, 4K)
OPS-8H/9H (8th Gen i3、i5、i7, 4K)
OPS-11H (11th Gen i3、i5、i7, 4K)
OPS-13H (13th Gen i3、i5、i7, 4K)



Model	P42, P42N, P42W	P33, P33N, P33W	P30, P30N, P30W
Interfaces	1*DC_IN,1*HDMI,1*VGA, 1*LAN,4/6*USB,1*AUDIO, 1*OPS,1*COM,1*GHOST Support OPS Daughter DP/LVDS	1*DC_IN,1*HDMI,1*VGA, 1*LAN,4/6*USB,1*AUDIO, 1*OPS, 1*GHOST Support OPS Daughter DP/LVDS	1*DC_IN,1*HDMI,1*VGA, 1*LAN,4/6*USB,1*AUDIO, 1*OPS, 1*GHOST Support OPS Daughter DP/LVDS
Cases Size	180mm*195mm*42mm	180mm*195mm*33mm	180mm*195mm*30mm
Power Supply	Support 12V/19V power supply 5A or above recommended		
CPU	OPS2000 Intel 2 nd Gen CPU i3-2310M, i5-2520M, i7-2640M, etc. OPS3000 Intel 3 rd Gen CPU i3-3110M, i5-3320M, i7-3540M, etc. 3217U, 3317U optional OPS4000 Intel 4 th Gen CPU i3-4010U, i5-4200U, i7-4500U, etc. OPS5000 Intel 5 th Gen CPU i3-5010U, i5-5200U, i7-5500U, etc. OPS6000 Intel 6 th Gen CPU i3-6100U, i5-6200U, i7-6500U, etc. OPS7000 Intel 7 th Gen CPU i3-7100U, i5-7200U, i7-7500U, etc. OPS8000 Intel 8 th Gen CPU i3-8130U, i5-8250U, i7-8550U, etc. OPS8H/9H Intel 8 th Gen CPU i3-8145U, i5-8265U, i7-8665U, etc. OPS10H Intel 10 th Gen CPU i3-10110U, i5-10210U, i7-10510U, etc. OPS11H Intel 11 th Gen CPU i3-1125G4, i5-1135G7, i7-1165G7, etc. OPS12H Intel 12 th Gen CPU i3-1215U, i5-1235U, i7-1250U, etc. OPS13H Intel 13 th Gen CPU i3-1315U, i5-1345U, i7-1355U, etc. OPS2380 Intel 2 nd -3 rd Gen CPU i3-2310M, i3-3110M, i5-2520M, i5-3320M, etc. OPS8600 Intel 4 th Gen CPU i3-4100M, i5-4200M, i7-4600M, etc.		
Memory	NB DDR3L/DDR4 2G/4G/8G/16G/32G/64G		
Storage	MSATA SSD or M.2 SSD, 2.5 inches SSD/HDD, 64G/128G/256G/512G/1TB/2TB etc.		
Expansion Bus	1xMini-PCIE or 1xM.2_WiFi, Support WiFi, 4G/3G, Bluetooth, GPS		

Android PC: EPC8000 EPC9000



Model	EPC8000 EPC9000
Interfaces	1*DC_IN,1*HDMI,1*LAN,2*USB,1*AUDIO,1*SD CARD,1*SIM CARD
Cases Size	168mm*106mm*20mm
CPU	EPC8000: Rock-chips RK3288 Quad-core Cortex-A17 EPC9000: Rock-chips RK3399 Dual-core Cortex-A72+Quad-core Cortex-A53
Power Supply	Support 12V power supply 3A or above recommended
Memory	1G/2G/4G optional
Storage	8G/16G/32G optional
Expansion Bus	1xMini-PCIE, Support 4G/3G module
System	Android7.1, Android 10.0, Android 11 systems, etc.