国家级高新技术企业 国家级专精特新小巨人企业
英特尔钛金级全球合作伙伴 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,National Specialized and Innovative Enterprise
Intel Titanium Global Partner,Member of intel China Smart Manufatory Base
Guangdong Industrial Vision Control Teminal Technology Research Center

主板产品型录

ELSKY MOTHERBOARD CATALOG

2026



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QM14U QM15U (Intel AI Motherboard)



CPU	Support Intel Meteor Lake Ultra 5 125U/H 、Ultra 7 155U/H、Ultra 9 185H, etc.
	Support Intel Arrow Lake Ultra 5 225U/H 、Ultra 7 255U/H、Ultra 9 285H, etc.
AI	Intel AI Boost
Memory	2 x DDR5 Max Support 96GB
Ethernet	Intel I219-V Gigabit LAN optional , Realtek 8111HGigabit LAN optional ,
Audio	2x LAN optional Realtek ALC897 HD Audio , support Line-out,Mic-in,Speaker
Graphics	Integrated Intel Graphics/Intel Arc graphics, support 8K/4K1080P/H264/3D Play
Display	VGA(or DP),HDMI®2.0,LVDS(or single/dual EDP), support synchronous ,
	asynchronous quad display , triple display and dual display
Storage	1xM.2 NVMe/SATA,1xSATA3.0
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 x170mm x 25mm
I/O Interfaces	DC_in, HDMI®,VGA(or DP),2x USB3.2,2xUSB2.0,LAN,Line-Out,Mic_in
Built-in Pins	1xLVDS(or EDP),1xEDP2,1xHDMI®,4xUSB2.0,2xUSB3.2,
	6xCOM(RS232/RS485/RS422 optional),1xGPIO,2xFan,SIM Card slot,1xAudio,SPK
Expansion Bus	1xM.2_WiFi,Support WiFi,Bluetooth,1xM.2_5G/4G,Support M.2 5G/4G modules

QM1200 (12th 13th14th Gen)



CPU	Support 12th Gen Alder Lake Core i5 12450HX、i7 12650HX、i9 12900HX, etc.
	Support 13th Gen Raptor Lake Core i5 13450HX、i7 13650HX、i9 13900HX, etc.
	Support 14th Gen Raptor Lake Core i5 14450HX、i7 14650HX、i9 14900HX, etc.
Memory	2 x DDR4 Max Support 64GB
Ethernet	Intel I219V Gigabit LAN optional,Intel E610 2.5G LAN optional,2x LAN optional
Audio	Realtek ALC662/897 HD Audio optional, support Line-out, Mic-in, Speaker
Graphics	Integrated Intel UHD Graphics support 8K/4K/1080P/H264/3D Play
Display	HDMI1*2.0,HDMI2*2.0 (or VGA),LVDS (or single/dual EDP),Type-C,
	support synchronous , asynchronous quad display , triple display and dual display
Storage	1xM.2 NVMe/SATA,1xSATA3.0
Power Supply	DC 12V/19V power supply 10A or above recommended
Heat Sink	Ultra-thin and silent intelliGent temperature control fan
Size	Thin Mini-ITX ,170mm x170mm x 33mm
I/O Interfaces	DC_in, HDMI1®,HDMI2®(or VGA),1xType-C,6xUSB3.2,LAN,Line-Out,Mic_in
Built-in Pins	1x24 bit LVDS(EDP1),1xEDP2,4xUSB2.0,2xUSB3.2
	,6xCOM(RS232/RS485/RS422 optional),1xGPIO,1xAudio,2xFan,SIM Card slot
Expansion Bus	1xM.2_WiFi,Support WiFi,Bluetooth,1xM.2_5G/4G,Support M.2 5G/4G modules

QM13U QM13P QM13H (13th Gen) QM12U QM12P QM12H (12th Gen) QM12M (12th Gen)



CPU	QM13U/P/H	Support 13th Gen Raptor Lake Core i3 1315U、i5 1340P、i7 13700H、i9 13900H, etc.
	QM12U/P/H	Support 12th Gen Alder Lake Core i3 1215U、i5 1245P、i7 12800H、i9 12900H, etc.
	QM12M	Support 12th Gen Alder Lake Core i3 1210U、i5 1230U、i7 1250U, etc.
Memory	2 x DDR4 Max Support 64GB	
	(QM12M Onboard DDR4 16G RAM,Max Support 64GB)	
Ethernet	Intel I219V Gigabit LAN optional,Realtek 8111H Gigabit LAN optional,	
	2x LAN optional	
Audio	Realtek ALC662/897 HD Audio optional, support Line-out, Mic-in, Speaker	
Graphics	Integrated Intel UHD Graphics/Intel Arc graphics, ssupport 8K/4K	
	1080P/H264/3D Play	
Display	VGA (or DP), HDMI® (2.0), LVDS (or single/dual EDP), support synchronous ,	
	asynchronous quad display , triple display and dual display	
Storage	1xM.2 NVMe/SATA,1xSATA3.0	
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 x170mm x 21mm	
I/O Interfaces	DC_in, HDMI®,VGA(or DP),2x USB3.2,2xUSB2.0,LAN,Line-Out,Mic_in	
Built-in Pins	1x24 bit LVDS(EDP1),1xEDP2,1xHDMI®,4xUSB2.0,2xUSB3.2 optional,	
	6xCOM(RS232/RS485/RS422 optional),1xAudio,1xGPIO,2xFan,SIM Card slot	
Expansion Bus	1xM.2_WiFi,Support WiFi,Bluetooth,1xM.2_5G/4G,Support M.2 5G/4G modules	

QM11U (11th Gen) QM10G QM10H QM10U (10th Gen) QM9H QM8H QM8U (8th Gen)



CPU	Support 11th Gen Tiger Lake Core i3 1125G4、i5 1135G7、i7 1165G7, etc.
	Support 10thGen Ice Lake Core i3 1005G1 、i5 1035G4 、i7 1065G7 etc
	Support 10th Comet Lake i3 10110U、i5 10210U、i7 10510U etc.
	Support 8th Coffee Lake i3 8109U、i5 8259U、i7 8559U etc.
	Support 8th Whiskey Lake i3 8145U、i5 8265U、i7 8665U etc.
Memory	2xDDR4 Max Support 64G
Ethernet	Intel I219-V Gigabit LAN optional,Realtek 8111H Gigabit LAN optional,2x LAN optional
Audio	Realtek ALC662/897 HD Audio optional, Cmedia HS-100B USB Audio optional,
	BBH621 USB Audio optional,Support Line-out,Mic-in,Speaker
Graphics	Integrated Intel UHD Graphics support 4K/1080P/H264/3D Play
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 NVMe/SATA,1xSATA3.0,1xMSATA3.0 optional
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 x170mm x 23mm
I/O Interfaces	DC_in, HDMI®,VGA(or DP),2x USB3.2,2xUSB2.0,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,Bluetooth,GPS,can be changed to MSATA
	Or 1xKEY-B_5G,Support M.2 5GModule

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



CPU	Support 8th Gen Kaby Lake R i3 8130U、i5 8250U、i7 8550U etc.
	Support 7th Gen 3865U、3965U and Kaby Lake i3 7100U、i5 7200U、i7 7500U etc.
	Support 6th Gen 3855U、3955U and Sky Lake i3 6100U、i5 6200U、i7 6500U etc.
Memory	QM9850/QM9750/QM9650 Support 2xDDR4 Max 64G
	QM9700H/QM9700/QM9600H/QM9600 Support 2xDDR3L Max 32G
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	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	1/2xSATA3.0,Or 1xMSATA3.0,Or 1xM.2 NVMe/SATA
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 x170mm 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®,4xUSB,2xCOM
	(6xCOM optional,RS232/RS485/RS422 optional) ,
	optional1xLPT, optional1xGPIO,2xFan,SIM Card slot, optional1xAudio
Expansion Bus	1xMini -PCIE , Support WiFi,4G,Bluetooth,GPS

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



CPU	Support 10th Gen Comet Lake i5 10200H 、i7 10750H、i9 10980HK etc.
	Support 8th Gen Coffee Lake i3 8100H、i5 8300H、i7 8750H、i9 8950HK etc.
	Support 9th Gen Coffee Lake i5 9300H、i7 9750H、i9 9980HK etc.
	Support 7th Gen Kaby Lake i3 7100H、i5 7300HQ、i7 7700HQ etc.
	Support 6th Gen Sky Lake i3 6100H、i5 6300HQ、i7 6700HQ etc.
Memory	2x DDR4 Max Support 64GB
Ethernet	Realtek 8111H Gigabit LAN optional,Intel I219V Gigabit
	LAN optional,2x LAN optional
Audio	Cmedia HS-100B USB Audio,Support Line-out,Mic-in,Speaker
Graphics	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 NVMe/SATA
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 x170mm x 24mm
I/O Interfaces	DC_in, HDMI®,VGA(HDMI®),4x USB3.0,2xUSB2.0,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,4G,GPS

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QM3100（H310）QM3600（H310C）



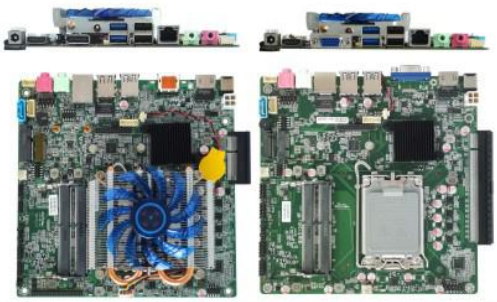
CPU	Support 6 th Gen Sky Lake LGA 1151 Core i3 6100, i5 6500, i7 6700, etc.
	Support 7 th Gen Kaby Lake LGA 1151 Core i3 7100, i5 7500, i7 7700, etc.
	Support 8 th Gen Coffee Lake LGA 1151 Core i3 8100, i5 8500, i7 8700, etc.
	Support 9 th Gen Coffee Lake LGA 1151 Core i3 9100, i5 9600, i7 9700, i9 9900, 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, JA6811 USB Audio optional, Cmedia HS-100B USB Audio optional, Support Line-out, Mic-in, Speaker.
Graphics	Intel HD Graphics 530/630 card Support 4K/1080P/H.264/3D Play and Support external discrete Graphics
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（H510）



CPU	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 64GB
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	Intel HD Graphics 630/730/750 Support 4K/1080P/H.264/3D Play and support external discrete Graphics
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

QM6100（H610）QM6300（H610）



CPU	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 64GB
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	Intel HD Graphics 730/770 Support 4K/1080P/H.264/3D Play and Support external discrete Graphics
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 ,1xM.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),2xUSB3.2,2xUSB2.0,LAN,Line_Out, Mic_in
Built-in Pins	1x24 bit LVDS (EDP), 1xHDMI®, 4xUSB2.0, 6xCOM (support RS232/RS422/RS485 optional) 2xFAN, 1xGPIO, SIM Card slot, 1xAudio
Expansion Bus	Or 1 x Mini-PCIE,Support WiFi,4G,Bluetooth,GPS Or 1 x M.2_WiFi,Support WiFi,Bluetooth

QM1100 QM1100C（H110）



CPU	Support 6 th Gen Sky Lake LGA1151 Core i3 6100、i5 6500、i7 6700,etc.
	Support 7 th Gen Kaby Lake LGA1151 Core i3 7100、i5 7500、i7 7700,etc.
Chipset	Intel Chipset H110
Memory	1 x DDR4 Max Support 16GB
Ethernet	Realtek 8111F/H Gigabit LAN, 2x LAN optional
Audio	Cmedia HS-100B USB Audio,support Line-out, Mic-in , Speaker
Graphics	Intel HD Graphics 530/630 supports 4K/1080P/H.264/3D Play
Display	VGA,HDMI®,LVDS,EDP,Support synchronous and asynchronous dual display
Storage	1 x SATA3.0 ,1xM.2
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,2xUSB3.0,2xUSB2.0,LAN,Line_Out,Mic_in
Built-in Pins	1x24 bit LVDS,1xEDP,1xHDMI®,1xVGA,3xUSB,2xCOM (6COM optional,RS232/RS422/RS485 optional)2xFAN,1xGPIO,SIM Card slot
Expansion Bus	1 x Mini-PCIE,support WiFi,4G,Bluetooth,GPS

QM3200 (H310C)



CPU	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	Intel HD Graphics 530/630 Support 4K/1080P/H.264/3D Play
Display	VGA, HDMI®, EDP support synchronous and asynchronous dual display
Storage	2 x SATA3.0 ,1xMSATA 3.0
Power Supply	Standard 20Pin ATX power supply
Heat Sink	Standard 115X radiator
Size	Mini -ITX ,170mm x 170mm x38mm
I/O Interfaces	PS2,VGA,HDMI®,4xUSB3.0,10xUSB2.0,2x LAN,Line_in,Line_Out,Mic_in
Built-in Pins	1xEDP, 4/8/12COM optional (COM2 Support RS232/RS422/RS485 optional) 2xFAN, SIM Card slot, 1xGPIO, 1xLPT, 1xAudio
Expansion Bus	1 x Mini -PCIE,support WiFi,4G,Bluetooth,GPS

QM8200 QM8200-R (H81)



CPU	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	2 x Intel i211-AT Gigabit LAN， 2xRealtek 8111H Gigabit LAN optional
Audio	Realtek ALC662 HD Audio optional, Cmedia HS-100B USB Audio optional, support Line-out, Mic-in , Speaker
Graphics	Intel HD Graphics
Display	2xVGA, PCIE 16X Support external independent display
Storage	2xSATA3.0,1xMSATA3.0
Power supply	Standard 24Pin ATX power supply
Heat sink	Standard 115X Radiator
Size	Mini -ITX ,170mm x180mm x37mm
I/O Interfaces	PS2,2xVGA,2xCOM,2xUSB3.0,4xUSB2.0,2x LAN,Line_Out,Mic_in
Built-in Pins	4xUSB2.0, 10xCOM (support RS232/RS422/RS485 optional),2xFAN, 1xSPDIF, 1xAudio optional

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QM8000

CPU	Support 4th 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



QM9400H QM9500H QM9400E/L QM9500E/L QM9450E/L QM9550E/L

CPU	Support 4th Gen Haswell-U Core i3 4010U、i5 4200U、i7 4510U,etc. Support 5th Gen Broadwell-U Core i3 5010U、i5 5200U、i7 5500U,etc.
Function	2/6COM,8USB,SPK,LVDS,EDP(or dual EDP),VGA,HDMI®(4K),MSATA,support Wifi,4G,Bluetooth
Size	Thin Mini-ITX ,170mm x 170mm x 20mm



QM8680 QM8680L

CPU	Support all 4th 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 , MSATA, support WiFi, 4G/3G, Bluetooth
Size	Thin Mini -ITX ,170mm x 170mm x 26mm



QM6600 QM6616 QM6637

CPU	Support 2nd Gen M full series i3 2350M, i5 2540M, i7 2620M, etc. Support 3rd 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



I3HGP I5HGP I7HGP 1007F 1037F 2117F

CPU	Support Celeron 1007U、1037U、2117U and 3rd Gen Core i3 3217U、i5 3317U、i7 3517U,etc.
Function	2/6COM,9/10USB,SPK,LVDS(EDP),VGA,HDMI®,LAN,MSATA,support Wifi,4G,Bluetooth
Size	Thin Mini-ITX ,170mm x170mm x 22mm



QM2360

CPU	Support 2nd Gen M All series of i3 2350M,i5 2540M,i7 2620M, etc. Support 3rd M/U All series ofi3 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

CPU	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



M335F M316F

CPU	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





EM6900 D25G2 EM6800 D25G6

CPU	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





EM6400D EM6400A

CPU	Intel Elkhart LakeK J and N Series Celeron J6412、Pentium N6415,etc.
Function	DC_IN or ATX,VGA,LVDS(or EDP),EDP1,6COM,8USB,M.2,WiFi,4G,Bluetooth,GPIO,LPT,PS/2,LAN, RJ11 optional
Size	Mini-ITX,170mm x170mm x 35mm

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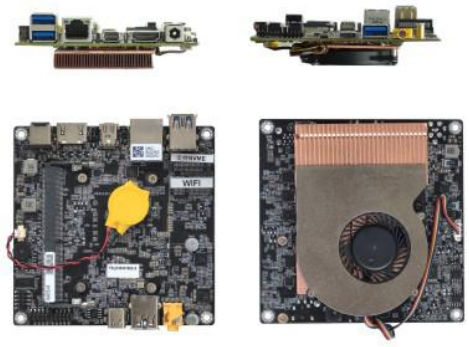
NUC12U（12th Gen i3、i5、i7、i9）NUC13U（13th Gen i3、i5、i7、i9



CPU	Support 12th Alder Lake i3 1215U、i5 1235U、i7 1250U, etc. Support 12th Alder Lake i3 1200P、i5 1245P、i7 1280P, etc. Support 12th Alder Lake i5 12500H、i7 12800H、i9 12900H, etc. Support 13th Raptor Lake i3 1315U、i5 1335U、i7 1355U, etc. Support 13th Raptor Lake i5 1340P、i7 1360P, etc. Support 13th 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	Integrated Intel UHD Graphics ,Ssupport 8K/4K1080P/H264/3D Play,Support 4K@60HZ
Display	Mini DP and HDMI® support synchronous and asynchronous dual display
Storage	1xM.2 NVMe/SATA
Power Supply	DC 12V~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

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



CPU	Support 8th Gen Whiskey Lake i3 8145U、i5 8265U、i7 8665U etc Support 10th Gen Comet Lake i3 10110U、i5 10210U、i7 10510U etc
Memory	1xDDR4 Max support 32GB
Ethernet	Intel i219V Gigabit LAN
Audio	Cmedia HS-100B USB Audio， Support Line-out,Mic-in
Graphics	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 power supply recommended at 7A or above
Heat Sink	Ultra thin silent Intelligent temperature control fan
Size	NUC ,100mm x100mm 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

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



CPU	Support 6th Gen 3855U、3955U and SkyLake i3 6100U、i5 6200U、i7 6500U etc Support 7th Gen 3865U、3965U and KabyLake i3 7100U、i5 7200U、i7 7500U etc
Memory	2xDDR4 Max Support 64GB
Ethernet	Intel i219V Gigabit LAN
Audio	Realtek ALC897 HD Audio,Support Line-out,Mic-in
Graphics	Intel HD Graphics 510/520/610/620Support 4K/1080P/H264/3D Play
Display	HDMI®,Mini -DP, support synchronous , asynchronous dual display
Storage	1xSATA 3.0,1xM.2 NVMe/SATA
Power Supply	DC 12V power supply 5A or above recommended
Heat Sink	Ultra-thin and silent Intelligent temperature control fan
Size	NUC ,100mm x100mm x 30mm
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

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



CPU	Support 8th Gen Whiskey Lake i3 8145U, i5 8265U, i7 8665U, etc. Support 10th Gen Comet Lake i3 10110U, i5 10210U, i7 10510U, etc. Support 12th Gen Alder Lake U/P/H Core i3 1215U、i5 1245P、i7 12800H、i9 12900H,etc. Support 13th Gen Raptor Lake U/P/H Core i3 1315U、i5 1340P、i7 13700H、i9 13900H,etc.
Memory	1xDDR4 Max Support 32GB
Ethernet	Realtek 8111H Gigabit LAN, 2xLAN optional
Audio	Cmedia HS-100B USB Audio optional, Realtek ALC897 HD Audio optional, Support Line-out,Mic-in,Speaker
Graphics	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 NVMe/SATA
Power Supply	Or DC 12V/19V,Or DC 12V~24V 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

NANO4F NANO5F（4th 5th Gen i3、i5、i7）NANO6F NANO7F（6th 7th Gen i3、i5、i7）



CPU	Support 4th Gen Haswell-U Core i3 4010U、i5 4200U、i7 4510U etc. Support 5th Gen Broadwell-U Core i3 5010U、i5 5200U、i7 5500U etc. Support 6th Gen 3855U、3955U and Sky Lake Core i3 6100U、i5 6200U、i7 6500U etc. Support 7th Gen 3865U、3965U and Kaby Lake Core i3 7100U、i5 7200U、i7 7500U etc.
Memory	Or 1xDDR4 Max Support 32G,Or 1x DDR3 Max Support 8GB
Ethernet	Realtek 8111H Gigabit LAN, 2xLAN optional
Audio	Cmedia HS-100B USB Audio optional, Realtek ALC897 HD Audio optional, Support Line-out,Mic-in,Speaker
Graphics	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	1xSATA3.0,Or 1xMSATA3.0,Or 1xM.2 NVMe/SATA
Power Supply	Or DC 12V/19V,Or DC 12V~19V power supply Recommend 5A or above
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

NANO9F NANO8F（J1900 J1800）NANO4E（J4125）NANO6E（J6412）NANO1F（N100、N97、N150、N305etc）



CPU	Intel Celeron J1900, Celeron J1800, Pentium J2900 optional Intel Celeron J4125,Celeron J4025 optional Intel Celeron J6412, Celeron J6413 optional Intel Celeron N100,N97,N95,N150,N305 optional
Memory	Or 1xDDR4 max support 32GB,or 1xDDR3L max support 8GB
Ethernet	Realtek 8111H Gigabit LAN optional, Realtek 8125BGS 2.5G LAN optional,2/4xLAN optiona.
Audio	Realtek ALC897 HD Audio, Support Line-out,Mic-in,Speaker
Graphics	Intel HD/UHD Graphics
Display	HDMI®, VGA(or HDMI®2),LVDS(EDP). Support synchronous and asynchronous dual display,triple display optional
Storage	1xSATA,Or 1xMSATA,Or 1xM.2 NVMe/SATA
Power supply	DC 12V power,or DC 12V~24V wide voltage power,supply 5A or above recommended
Heat sink	Ultra-thin Fanless , optional with fan
Size	NANO-ITX,120mm x 120mm x 23mm/24mm/26mm/27mm
I/O Interfaces	DC_in, HDMI®,VGA(or HDMI®2), USB3.0,USB2.0,LAN,Line-Out,Mic_in.
Built-in Pins	LVDS(or EDP),VGA_OUT,USB,COM(RS232/RS485/RS422 optional),Fan,SPK,SIM Card slot
Expansion Bus	Or 1xMini-PCIE , support Wifi,4G,Bluetooth,GPS,Or 1xM.2_WIFI,Support WIFI,Bluetooth

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3.5inches:
M108SE（8th Gen 10th Gen）
M128SE M138SE（12th Gen 13th Gen）



CPU	Support 8th Gen Whiskey Lake Core i3 8145U, i5 8265U, i7 8665U, etc. Support 10th Gen Comet Lake Core i3 10110U, i5 10210U, i7 10510U, etc. Support 12th Gen Alder Lake U/P/H Core i3 1215U、i5 1245P、i7 12800H、i9 12900H,etc. Support 13th Gen Raptor Lake U/P/H Core i3 1315U、i5 1340P、i7 13700H、i9 13900H,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	Integrated Intel UHD Graphics Support 4K/1080P/H264/3D Play
Display	VGA（or HDMI®）,HDMI®,LVDS（or single/dual EDP）,Type-C optional，support synchronous and asynchronous quad display, triple display and dual display optional
Storage	1xSATA3.0,Or 1xMSATA3.0,Or 1xM.2 NVMe/SATA
Power supply	Or DC 12V/19V,Or DC 12V~24V power supply Recommend 7A or above
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,Type-C optional
Built-in Pins	1xLVDS (or single/dual EDP), 4xUSB, 6xCOM (COM1 Support RS232/RS422/RS485 optional), Fan, SIM, GPIO, SPK, 1xAudio
Expansion Bus	Or 1xMini-PCIE,Support WiFi, 4G,Bluetooth,GPS,MSATA optional; Or 1xM.2_WiFi, Support WiFi Bluetooth

3.5 inches: ：
M818SE M818SL（6th Gen 7th Gen）
M828SL（6th Gen 7th Gen 8th Gen）



CPU	Support 6th Gen Celeron 3855U、3955U and Sky Lake Core i3 6100U、i5 6200U、i7 6500U,etc. Support 7th Gen Celeron 3865U、3965U and Kaby Lake Core i3 7100U、i5 7200U、i7 7500U,etc. Support 8th Gen Celeron 3867U and Kabylake R Core i3 8130U、i5 8250U、i7 8550U,etc.	
Memory	M818SE M818SL	Onboard DDR4 4G/8G RAM
	M828SL	1xDDR4 Max Support 32GB
Ethernet	2xRealtek 8111H Gigabit LAN,1xLAN optional	
Audio	Realtek ALC662/897 HD Audio optional,Cmedia HS-100B USB Audio optional, Support Line-out,Mic-in ,Speaker	
Graphics	Intel HD Graphics 510/520/610/620 Support 4K/1080P/H264/3D Play	
Display	HDMI®1,VGA(or HDMI®2),LVDS(or EDP),support synchronous,asynchronous triple display and dual display	
Storage	1xSATA3.0,Or 1xMSATA3.0,Or 1xM.2 NVMe/SATA	
Power Supply	DC 12V~19V or 19V~24V wide voltage power supply 5A 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®2),2x USB3.0,2xLAN,Line-Out	
Built-in Pins	1xLVDS(or EDP),1xVGA_OUT,4xUSB2.0,6xCOM(RS232/RS422/RS485 optional), Fan,SIM,GPIO,SPK,Audio	
Expansion Bus	1xMini-PCIE,support Wifi,4G,Bluetooth,GPS,optional MSATA	

3.5inches:
M618SE (Onboard 2G/4G RAM)
M619SE (External 2G/4G/8G RAM)



CPU	Intel Celeron 1007U, 1037U, 2117U and 3rd 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 8111E/F Gigabit Ethernet card, 2xRealtek 8105E 100M Ethernet card optional, single Ethernet optional
Audio	2xRealtek 8111E/H Gigabit LAN ,1xLAN optional
Graphics	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

3.5 inches:
M198SE（N100、N97、N95）



CPU	Support Intel Alder Lake-N Series N200、N100、N97、N95、i3-N305,etc.
Memory	1xDDR5 Max Support 16GB
Ethernet	2xRealtek 8111H Gigabit LAN,1xLAN optional
Audio	Realtek ALC662/897 HD Audio,Support Line-out, Mic-in ,Speaker
Graphics	Intel UHD Graphics Support 4K/1080P/H264/3D Play
Display	HDMI®,DP,LVDS(or EDP),Type-C,support synchronous,asynchronous triple display and dual display
Storage	1xM.2 NVMe/SATA
Power Supply	DC 12V~24V wide voltage power supply 5A or above recommended
Heat Sink	Ultra-thin FANLESS,optional with FAN
Size	3.5-inch professional structure 146mm x102mm x23mm
I/O Interfaces	DC-in,HDMI®,DP,Type-C,USB3.2,2xLAN,Line_Out
Built-in Pins	1xLVDS(or EDP),4xUSB2.0, 6xCOM(COM1 Support RS232/RS422/RS485 optional),FAN,GPIO,Audio,SPK,MIPI
Expansion Bus	1xM.2_WiFi,Support WiFi,Bluetooth

3.5 inches: M219SE（J1900）
M415SE（J4125）



CPU	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	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,Bluetooth,GPS

Android Motherboard
EK8800 EK9900



CPU	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 x100mm x 12mm
I/O Interfaces	DC_in, HDMI®, USB,LAN,AUDIO,Camera,SD slot,SIM Card slot
Expansion Bus	1xMini -PCIE , Support 4G/3GModule
Built-in Pins	LVDS,EDP,COM1~4,SPK,USB,GPIO,TP,IR

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4 inches:
M100SE（8th10th Gen i3、i5、i7）
M11GSE（11th Gen i3、i5、i7）
M12GSE（12th13th Gen i3、i5、i7、i9）



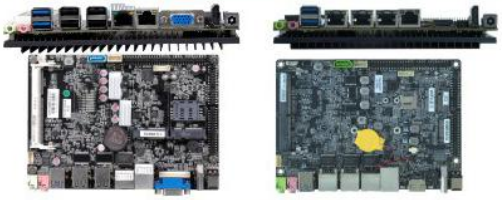
CPU	Support 8th Gen Whiskey Lake Core i3 8145U、i5 8265U、i7 8665U,etc. Support 10th Gen Comet Lake Core i3 10110U、i5 10210U、i7 10510U,etc. Support 11th Gen Tiger Lake Core i3 1125G4、i5 1135G7、i7 1165G7 ,etc. Support 12th Gen Alder Lake U/P/H Core i3 1215U、i5 1245P、i7 12800H、i9 12900H,etc. Support 13th Gen Raptor Lake U/P/H Core i3 1315U、i5 1340P、i7 13700H、i9 13900H,etc.
Memory	1 x DDR4 Max Support 32GB
Ethernet	Intel i226-V 2.5G LAN optional , Realtek 8125BGS 2.5G LAN optional , 2/3/4 x LAN optional
Audio	Realtek ALC662/897 HD Audio,Support Line-out,Mic-in ,Speaker
Graphics	Integrated Intel UHD Graphics Support 4K/1080P/H264/3D Play
Display	HDMI®,VGA(or HDMI®2),LVDS(or EDP),support synchronous, asynchronous triple display and dual display
Storage	1xSATA3.0,Or 1xMSATA3.0,Or 1xM.2 NVMe/SATA
Power Supply	DC 12V/19V power supply 7A or above recommended
Heat Sink	Ultra-thin FANLESS,optional with fan
Size	4-inch professional structure 165mm x 115mm x 31mm
I/O Interfaces	DC_in,HDMI®,VGA(or HDMI®2),USB,2/3/4xLAN optional,Line-Out,Mic-In
Built-in Pins	1xLVDS(orEDP),1xVGA_OUT,4xUSB2.0,6COM(RS232/RS485/RS422 optional), Fan,GPIO,SPK,SIM Card slot
Expansion Bus	Or 1xMini-PCIE,Support WiFi,4G,Bluetooth,GPS,or 1xM.2_WiFi,Support WiFi,Bluetooth, Or 1xM.2_5G/4G,Support M.2 5G/4G modules

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



CPU	Support 6th Gen 3855U, 3955U and Sky Lake i3 6100U, i5 6200U, i7 6500U, etc. Support 7th Gen 3865U, 3965U and Kaby Lake i3 7100U, i5 7200U, i7 7500U, etc. Support 8th 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	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, 4x USB3.0, 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

4 inches: M400SE M400I (4th Gen i3, i5, i7)
M500SE M500I (5th Gen i3, i5, i7)
M678SE M678I （6th 7th 8th Gen）



CPU	Support 4th Gen Haswell-U Core i3 4010U、i5 4200U、i7 4510U, etc. Support 5th Gen Broadwell-U Core i3 5010U、i5 5200U、i7 5500U, etc. Support 6th Gen Celeron 3855U、3955U and Sky Lake Core i3 6100U、i5 6200U、i7 6500U, etc. Support 7th Gen Celeron 3865U、3965U and Kaby Lake Core i3 7100U、i5 7200U、i7 7500U, etc. Support 8th Gen Celeron 3867U and Kabylake R Core i3 8130U、i5 8250U、i7 8550U, etc.
Memory	1xDDR3L Max Support 8GB,or 1xDDR4 Max Support 32GB
Ethernet	Realtek 8111H Gigabit LAN optional,Intel i211-AT Gigabit LAN optional, Intel i226-V 2.5G LAN optional,2/3/4 x LAN optional
Audio	Cmedia HS-100B USB Audio optional,Realtek ALC662/ 897 HD Audio optional,Support Line-out,Mic-in,Speaker
Graphics	Intel HD Graphics,Support 4K/1080P/H264/3D Play
Display	HDMI®,VGA(or HDMI®2),LVDS(or EDP),support synchronous, asynchronous triple display and dual display
Storage	1xSATA3.0,Or 1xMSATA3.0,Or 1xM.2 NVMe/SATA
Power Supply	DC 12V power supply 5A or above recommended
Heat Sink	Ultra-thin FANLESS, optional with fan
Size	4-inch professional structure 165mmx115mmx31mm
I/O Interfaces	DC_in,HDMI®,VGA(or HDMI®2),USB,2/3/4xLAN optional,Line-Out,Mic-In
Built-in Pins	1xLVDS(orEDP),1xVGA_OUT,4xUSB2.0,6COM(RS232/RS485/RS422 optional), Fan,GPIO,SPK,Audio,SIM Card slot
Expansion Bus	Or 1xMini-PCIE,optional Wifi,4G,Bluetooth,GPS,or 1xM.2_WiFi, optional WiFi,Bluetooth,Or 1xM.2_5G/4G,optional M.2 5G/4G modules

4 inches：N100SE
（N100、N97、N150、N305 etc）



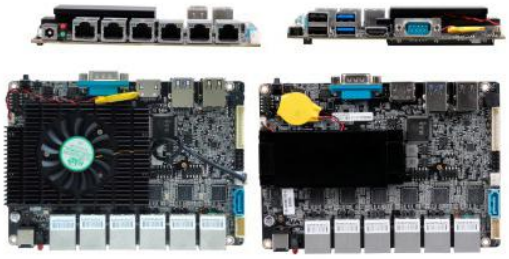
CPU	Support Intel Alder Lake-N N200、N100、N97、N95、i3-N305,etc. Support Intel Twin Lake N150、N250、i3-N350、i3-N335 ,etc.
Memory	1 x DDR4 Max Support 16GB
Ethernet	Realtek 8125BGS 2.5G LAN , 2/3/4 x LAN optional
Audio	Realtek ALC897 HD Audio,Support Line-out,Mic-in ,Speaker
Graphics	Intel UHD Graphics Support 4K/1080P/H264/3D Play
Display	HDMI®,VGA(or HDMI®2),LVDS(or EDP),support synchronous,asynchronous triple display and dual display
Storage	1xSATA3.0, 1xM.2 NVMe/SATA
Power Supply	DC 12V~24V wide voltage power supply 4A or above recommended
Heat Sink	Ultra-thin FANLESS,optional with fan
Size	4-inch professional structure 165mm x 115mm x 32mm
I/O Interfaces	DC_in,HDMI®,VGA(or HDMI®2),USB,2/3/4xLAN optional,Line-Out,Mic-In
Built-in Pins	1xLVDS(EDP),4xUSB2.0,6COM(RS232/RS485/RS422 optional),Fan,GPIO, SPK,SIM Card slot
Expansion Bus	1xM.2_WiFi,Support WiFi,Bluetooth,1xM.2_5G/4G,Support M.2 5G/4G modules

M690PE（Support POE）



CPU	Support 6th Gen Celeron 3855U、3955U and Sky Lake Core i3 6100U、i5 6200U、i7 6500U, etc. Support 7th Gen Celeron 3865U、3965U and Kaby Lake Core i3 7100U、i5 7200U、i7 7500U, etc. Support 8th Gen Celeron 3867U and Kabylake R Core i3 8130U、i5 8250U、i7 8550U, etc.
Memory	1xDDR4 Max Support 32GB
Ethernet	Intel i226-V 2.5G LAN,Support POE 48V power supply,3/4 x LAN optional
Audio	Realtek ALC897 HD Audio,Support Line-out,Mic-in ,Speaker
Graphics	Intel HD Graphics,Support 4K/1080P/H264/3D Play
Display	HDMI®,VGA_OUT,LVDS(EDP),support synchronous,asynchronous triple display and dual display
Storage	1xSATA 3.0,1xMSATA 3.0
Power Supply	DC 9V~36V wide voltage power supply 7A or above recommended
Heat Sink	Ultra-thin and silent intelliGent temperature control fan
Size	Thin Mini-ITX, 190mmx121mmx33mm
I/O Interfaces	DC_in,HDMI®,RJ50-COM,USB,3/4xLAN,PWR_SW
Built-in Pins	LVDS(EDP),VGA_OUT,4USB,2COM,PS/2,Fan,GPIO,SPK,Audio,SIM Card slot
Expansion Bus	1xMini-PCIE,Support Wifi,4G,Bluetooth,GPS

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



CPU	Support 6th Gen 3855U, 3955U and Sky Lake i3 6100U, i5 6200U, i7 6500U, etc. Support 7th 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	Intel HD Graphics 510/520/610/620 support 4K/1080P/H264/3D 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

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GK1200（H670）GK6100（H610）GK5100（H510）



CPU	Support 10th Gen Comet Lake LGA1200 Core i3 10300、i5 10500、i7 10700、i9 10900,etc. Support 11th Gen Rocket Lake LGA1200 Core i5 11500、i7 11700、i9 11900,etc. Support 12th Gen Alder Lake LGA1700 Core i3 12300, i5 12500, i7 12700, i9 12900, etc. Support 13th Gen Raptor Lake LGA1700 Core i3 13100, i5 13500, i7 13700, i9 13900, etc. Support 14th Gen Raptor Lake LGA1700 Core i5 14500, i7 14700, i9 14900, etc.
Chipset	Intel Chipset H670/H610/H510
Memory	2 x PC DDR4 Max Support 64G
Ethernet	Support Intel I219V Gigabit and Intel I226-V 2.5G LAN,2/4/6 x LAN optional
Audio	Realtek ALC897 HD Audio,support Line-in,Line-out,Mic-in
Graphics	Intel UHD Graphics, Support 4K/1080P/H264/3D Play, support external discrete Graphics
Display	HDMI®, VGA, EDP support synchronous and asynchronous dual display and triple display, PCIE 16X external discrete Graphics
Storage	4x SATA3.0 ,1xM.2 NVMe/SATA
Power Supply	Standard 24Pin ATX power supply
Heat Sink	Standard 1700 radiator
Size	ITX,305mm x 220mm x 42mm
I/O Interfaces	HDMI®,VGA,8xUSB3.2,6xLAN,Line-in,Line-out,Mic-in
Built-in Pins	1xHDMI®,1xEDP,12xCOM(RS232/RS422/RS485 optional), 8xUSB,1xLPT,1xGPIO,1xAudio,1xSPDIF,2xFAN
Expansion Bus	1xM.2_WIFI,2xPCIE 16X,3xPCIE 4X,2xPCI

GK6900（H310C）



CPU	Support 6th Gen Sky Lake LGA 1151 Core i3 6100, i5 6500, i7 6700, etc. Support 7th Gen Kaby Lake LGA 1151 Core i3 7100, i5 7500, i7 7700, etc. Support 8th Gen Coffee Lake LGA 1151 Core i3 8100, i5 8500, i7 8700, etc. Support 9th 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 Gigabit LAN and Intel i226-V 2.5G LAN
Audio	Realtek ALC662/897 HD Audio,support Line-in,Line-out,Mic-in
Graphics	Intel HD Graphics 530/630 Support 4K/1080P/H.264/3D Play, support external discrete Graphics
Display	HDMI®, DVI-I, VGA, EDP support synchronous and asynchronous dual displays, PCIE 16X external discrete Graphics
Storage	3x SATA3.0 ,1xM.2 NVMe/SATA
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,4xUSB3.0,2xUSB2.0,2xLAN,PS/2,Line-in,Line-out,Mic-in
Built-in Pins	1xEDP,5xCOM(COM3/4 optional RS232/422/485),4xUSB,1xTPM,1xLPT,1xGPIO, 1xAudio,2xFAN
Expansion Bus	1xPCIE 16X,1xPCIE 4X,2xPCI

M219F M219H M219FC（J1900）M218F M218H M218FC（J1800）M415F（J4125）M612F（J6412）M100F（N100、N97、N95）



CPU	Intel Celeron J1900, Celeron J1800,Pentium J2900 optional Intel Celeron N2840, Celeron N2930, Celeron N2940 optional Intel Celeron J4125, Celeron J4025 optional Intel Celeron J6412, Celeron J6413 optional Intel Alder Lake-N SeriesN100、N97、N95、N305、N150、N250、N350 optional
Memory	1x DDR3L Max Support 8GB optional，1xDDR4 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	Intel HD Graphics Support 1080P,H264,3D Play,Support 4K optional
Display	VGA,HDMI®,LVDS(or EDP),Option DP, 2xEDP Support synchronous asynchronous dual display, triple display optional
Storage	1xSATA,Or 1xMSATA,Or 1xM.2 NVMe/SATA
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(6/10C 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

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



CPU	Intel Celeron J1900, Celeron J1800, Pentium J2900 optional
Memory	1x DDR3L up to 8GB
Netork	6xIntel i210/i211-AT Gigabit LAN, 4LAN optional
Audio	none
Graphics	Intel HD Graphics
Display	1xVGA_H
Storage	1xSATA3.0,Or 1xMSATA3.0,Or 1xM.2 NVMe/SATA
Power supply	DC 12V power supply 5A or above recommended
Heat dissipation	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
Built-in Pins	VGA_H,4xUSB,COM2,GPIO,LAN_LED,LPT,FAN,SIM Card slot
Expansion Bus	1xMini-PCIE , support Wifi,4G,Bluetooth,GPS 6LAN with 2 Bypass, 4LAN simplified version

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



CPU	Support 6th Gen 3855U, 3955U and Sky Lake i3 6100U, i5 6200U, i7 6500U, etc. Support 7th 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 none
Graphics	Intel HD Graphics 510/520/610/620 support 1080P/H264/3D Play
Display	1xVGA pin
Storage	1xSATA3.0,Or 1xMSATA3.0,Or 1xM.2 SATA
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

QM118L（H110）



CPU	Support 6th Gen Sky Lake LGA 1151 Core i3 6300, i5 6600, i7 6700,etc. Support 7th Gen Kaby Lake LGA 1151 Core i3 7300, i5 7500, i7 7700,etc.
Chipset	Intel Chipset H110
Memory	2xDDR4 Max Support 64GB
Ethernet	8 x intel i210-AT gigabit Ethernet card, 2 x intel i350-AM2 gigabit fiber optic Ethernet card
Audio	none
Graphics	Intel HD Graphics 530/630 support 1080P/H264/3D Play
Display	1xVGA pin
Storage	2xSATA3.0,1xMSATA3.0,1xM.2 SATA,1xCF
Power supply	Standard 24Pin ATX power supply
Heat sink	Standard 115X Radiator
Size	248mm x248mm
I/O Interfaces	2xUSB3.0,RJ50-COM,8xLAN,PWR,RST, Optional 2x fiber optic I/O Interfaces
Built-in Pins	1xVGA,6xUSB,1xCOM,1xLPT,1xLAN_LED,2xFAN,1xSIM
Expansion Bus	1xMini -PCIE , support WiFi,4G/3G,Bluetooth,GPS;1xPCIE X4