

Motherboard model description:

Motherboard Model	Optional Intel CPU	4K Display	LAN (RJ45)	COM	USB	Onboard Memory	DC Power	
M818SE-4G	6th generation: 3855U,3955U, Core i3,i5,i7	Yes	1	6	8	Integrated DDR4 4G RAM	12V~24V Wide voltage	
			2	6	6			
M818SE-8G			7th generation: 3865U,3965U, Core i3,i5,i7	1	6	8		Integrated DDR4 8G RAM
				2	6	6		

Form Factor	Standard 3.5inch,145*100*18mm(L*W*H)	
Processor	6th generation Celeron 3855U,3955U,Core Skylake i3-6100U,i5-6200U,i7-6500U,etc.	
	7th generation Celeron 3865U,3965U,Core Kaby Lake i3-7100U,i5-7200U,i7-7500U,etc.	
Chipset	Integrated single Chip in CPU.	
Power Supply	1*DC_IN /ATX	DC port:5.5*2.5MM;Support 12V~24V wide voltages; By default,the motherboard has DC power. If you need ATX power,please tell us in advance. The motherboard full load power consumption is about 35W;Recommended to use 12V 5A or above.
Memory	Integrated NB-DDR4 2133MHz Memory on the motherboard,it supports Max 8GB RAM.	
Display	6th generation	Integrated Intel® HD Graphics 510/520 in CPU.
	7th generation	Integrated Intel® HD Graphics 610/620 in CPU.
	1*VGA DB15 interface	Support Max resolution 1920*1200@60HZ
	1*VGA_OUT pin	Support Max resolution 1920*1200@60HZ (1*12Pin , 2.0mm)
	1*HDMI 1.4 interface	Support Max resolution 4096*2304@24/30HZ (4K resolution,UHD)
	1*EDP pin	Support Max resolution 4096*2304@60HZ (4K resolution,UHD) (2*15Pin , 2.0mm)
	1*BKLT PWR1	EDP backlight voltage control pin (1*3Pin , 2.54mm)
	1*LCD_PWR1 pin	EDP voltage control pin (2*3Pin , 2.0mm)
Ethernet	1*LAN	Realtek 8111F Gigabit NIC chip supports Wake-on-LAN and PXE diskless boot function.
	1*Mini-PCIE interface	Support WIFI/3G/4G/Bluetooth module,etc.Other option:MSATA hard disk.
Hard Disk	1*SATA1 interface	Standard SATA3.0 hard disk interface,its maximum transmission speed 6.0Gbps.
	1*M.2 SSD	Support M.2(2280) hard disk.It has SATA or NVME(PCIe) signal to choose.
Sound	Integrated Realtek ALC662 HD digital audio decoder,6-channel high-fidelity audio controller.	
	1*LINE_OUT interface	Support Audio output

	1*INT_SPK pin	This is the amplifier pin. It supports 8Ω 5W speaker dual channel output. (1*4Pin , 2.0mm)
	1*F_AUDIO pin	Standard Audio pin (2*5Pin , 2.0mm)
	1*SPDIF pin	Digital Audio pin (1*3Pin , 2.54mm)
USB	2*USB3.0 interfaces	Rear standard USB3.0 interfaces
	2*USB2.0 interfaces	Rear standard USB2.0 interfaces
	1*F_USB1 pin	Front USB2.0 pin,one group has 2*USB2.0 (2*5Pin , 2.0mm)
	1*F_USB2 pin	Front USB2.0 pin,one group has 2*USB2.0 (2*5Pin , 2.0mm)
Switch	1*F_PANEL pin	Switch, power supply light, hard disk light, restart pin. (2*5Pin , 2.0mm)
Other I/O	COM1/COM2 pin	These are serial ports.The COM1 supports RS232/RS422/RS485 signal. (2*5Pin ,2.0mm)
	COM3~6 pins	These serial ports support standard RS232 signal. (2*20Pin , 2.0mm)
	1*JPCOM1 pin	Control the 9th pin of the COM1 to choose optional 0V/5V/12V voltage. (2*3Pin , 2.0mm)
	1*JPCOM2 pin	Control the 9th pin of the COM2 to choose optional 0V/5V/12V voltage. (2*3Pin , 2.0mm)
	1*SIM slot	Support SIM card. A SIM card is required when using 3G/4G function.
	1*CLR_CMOS pin	Motherboard clears,discharges pin. (1*2Pin , 2.54mm)
	1*CPUFAN pin	CPU Fan pin (1*3Pin , 2.54mm)
	1*J_GPIO pin	GPIO control pin (2*5Pin , 2.0mm)
Operating Environment	Operating temperature : -20℃~60℃; Working humidity : 5%~95% Relative humidity, no condensation.	
BIOS	AMI BIOS;Support power on,timing switch,remote switch,intelligently identify devices.	
Watch Dog	Watch Dog programming supports hardware reset function (256 levels, 0~255 seconds).	
Operating System	Support Windows 10,Windows 8,Windows 7 ,Linux,etc.	