

Model	M198
Installable Motherboard Model	M198SE-2L6C (PCB model: M198SE Version: V1.0A; Specification updated: July 26, 2024)
Chassis	Color: Grey; Size: 160x126x57mm(LxWxH); Material: Metal. Option laser-engraving customized logo on the chassis; Option customized VESA mounting bracket.
External I/O Interfaces	1xDC_IN 12V~24V, 1xDP, 1xHD-MI, 2xRJ45 LAN, 6xCOM, 1xType-C, 2xUSB3.2, 4xUSB2.0, 1xAudio, 1xPower button.
	Option 1xLAN, 2xCOM, without COM (Choosing other chassis IO shield).
Cooling System	With fan (Option Fanless)
Option Processor (FCBGA1264)	Support Intel Alder Lake-N, FCBGA1264 Socket Processors: N95, N97, N100, N200, i3-N305, etc
Memory	1xSODIMM 4800MT/s DDR5 Memory socket, up to 16GB RAM.
Storage	1xKey-M M.2 2280 SATA / NVME signal PCIE 3.0 interface.
Power Supply	Support DC input wide voltage 12V~24V; DC Jack 5.5x2.5mm; 40W power consumption.
Ethernet	2xRealtek 8111H 1000Mbps RJ45 LAN interfaces; Option 1xLAN. Support Wake-on-LAN and PXE function.
Display Function	GPU Name: Integrated with Intel UHD Graphics in CPU; Support up to 3 displays. DP interface supports 4K resolution 4096/3840x2160@60Hz; Doesn't support DP++. HD-MI 2.1 interface supports 4K resolution 4096/3840x2160@60Hz. Type-C interface supports USB data transmission & Display function. Built-in MIPI pin supports CSI-2 protocol, MIPI camera equipment.
HD Audio	Integrated Realtek ALC897 HD Audio chip; Support 1xAudio interface(Only support Line-out); Option Mic-in interface (Need to customize the chassis IO shield).
Expansion Slot	1xM.2 2230 PCIE3.0 Key-E socket(Support Wi-Fi & BT module). Option I2C function (TBD).
Serial Port (COM Interfaces)	6xRS232 COM interfaces (The COM1 can be chosen RS232/RS422/RS485 by BIOS setting); Option 6xRS485 at least, if you need,please inform us in advance (Different price). Option 2xCOM or No COM (Need to customize the chassis IO shield). Option TTL.
Internal Pins/Slots	JAMP, F_AUDIO, F_PANEL, JATX, CLR_CMOS, GPIO, etc.
CMOS Battery	CR2032 3V battery with wire (Detachable)
BIOS	AMI BIOS supports power on,timing switch,remote switch,intelligently identify devices. Option UEFI Secure Boot; Option Trusted Platform Module (TPM) version 2.0; Option customized boot logo in OS.
Watch Dog	Watchdog programming; Support hardware reset function (256 levels, 0~255 seconds).
Operating Environment	Operating temperature: -10°C~60°C; Working humidity: 5%~95% Relative humidity, no condensation.
Support OS	Compatible with Windows 11 / 10, Linux.
Warranty period	12 months