Sparkle Mainboard - H610M-MXMD4

Hardware Spec.

Spec Item	Description
Form Factor	
Form Factor	Micro-ATX Motherboard
System	
CPU	Intel® Core™ 14th 13th 12th (LGA1700) Max 65W
FCH	Intel® H610
Memory	2 x SO-DIMM DDR4 up to 64GB
Cooling method System Fan	1 x CPU fan , 1 x SYS fan, 1 x MxM fan
Physical Characteristics	
Dimensions (LxWxH) (mm)	210mm x 170mm
Net Weight	--
Storage	
Storage	2 x M.2(NVME M-key)
	2 x SATA
I/O Interface	
Display Output	8 x Display Port (6x DP from MxM Card, 2xDP from CPU)
Ethernet	2 x LAN: 2.5Gb LAN
Audio	1 x MIC IN 1 x Line out 1 x Line in
	HD Audio: Realtek ALC662 HD audio codec
I/O Interface	1 x DIO: 8-bit digital I/O (2x5 pin)
	2 x Internal RS-232 (2x5 pin, P=2.54)
	2 x External USB 2.0
	2 x External USB 3.2 Gen1x1
	2 x Internal USB 2.0(2x5 pin, P=2.54)
Expansion	2 x M.2(NGFF): 1 x M.2 2280 M key
	1 x MxM card x8 (with x8 Gen 3.0 signal)
Other Features	
TPM	1 x TPM 2.0 (Optional)
Power	
Input	ATX Power 24 pin
	1 x 8 Pin 12V for CPU power
	1 x External power connector (4-pin 12V) for MxM (Optional)
Power Consumption	TBD
Environment	
Operating Temperature	0℃ ~ 60℃

Storage Temperature	-10°C ~ 70°C
Humidity	5% ~ 95%, non-condensing
Certifications	
Safety & EMC	CE/FCC compliant