



- Intel OPS standard module
- Supports Intel 12/13th Gen processor
- 2 x SO-DIMM DDR4
- 1 x M.2 2280
- 7 x USB 2.0/3.0
- M.2 2230 Wi-Fi / BT slot
- Displays: 1 x HDMI, 1 x DP, 1 x HDMI (80-pin)
- 12-19V DC

Specifications

Processor System	CPU	Intel® Alder Lake i5-13420H, TDP 45W
	PCH	SOC
	BIOS	AMI UEFI BIOS
Memory	Type	2 x SO-DIMM DDR4 (dual channel)
Storage	Interface	1 x M.2 2280 for SATA / NVMe SSD
Graphics	Chipset	Intel® UHD Graphics
	Interface	1 x 80-pin Con. HDMI 2.0, 4096 x 2160 @ 60Hz 1 x DP 1.2, 4096 x 2160 @ 60Hz 1 x HDMI 1.4, 4096 x 2160 @ 30Hz
Ethernet	Interface	1 x 10/100/1000Mbps RJ45
Wireless	Interface	1 x M.2 2230 for Wi-Fi + BT module
I/O Interface	Front panel	1 x HDMI 1.4 (4096x2160@30Hz); 1 x DP 1.2 (4096x2160@60Hz) 1 x RJ45; 2 x USB 3.0; 2 x USB 2.0; 1 x Type-C 1 x MIC in; 1 x Line out; 1 x Power button 2 x Wi-Fi / BT antenna
Power	Power input	12/19V DC in, 2.5/5.5 DC jack
Size		180mm (L) x 120mm (W) x 30mm (H)
Environment	Temp.	-5~45°C operating; -20~70°C storage
	Humidity	5%~95% non-condensing
Software	OS support	Windows 10/11, Linux

Dimensions & I/O Interface

