

S104-M521

Intel Alder lake Platform OPS Module

M521 OPS module is based on Intel 12th Gen Alder lake platform design, which deliver Intel Iris Xe Graphics performance for the education or conference solution. M521 is complying with Intel Open Pluggable specification, can be easily installed, upgraded and maintained.



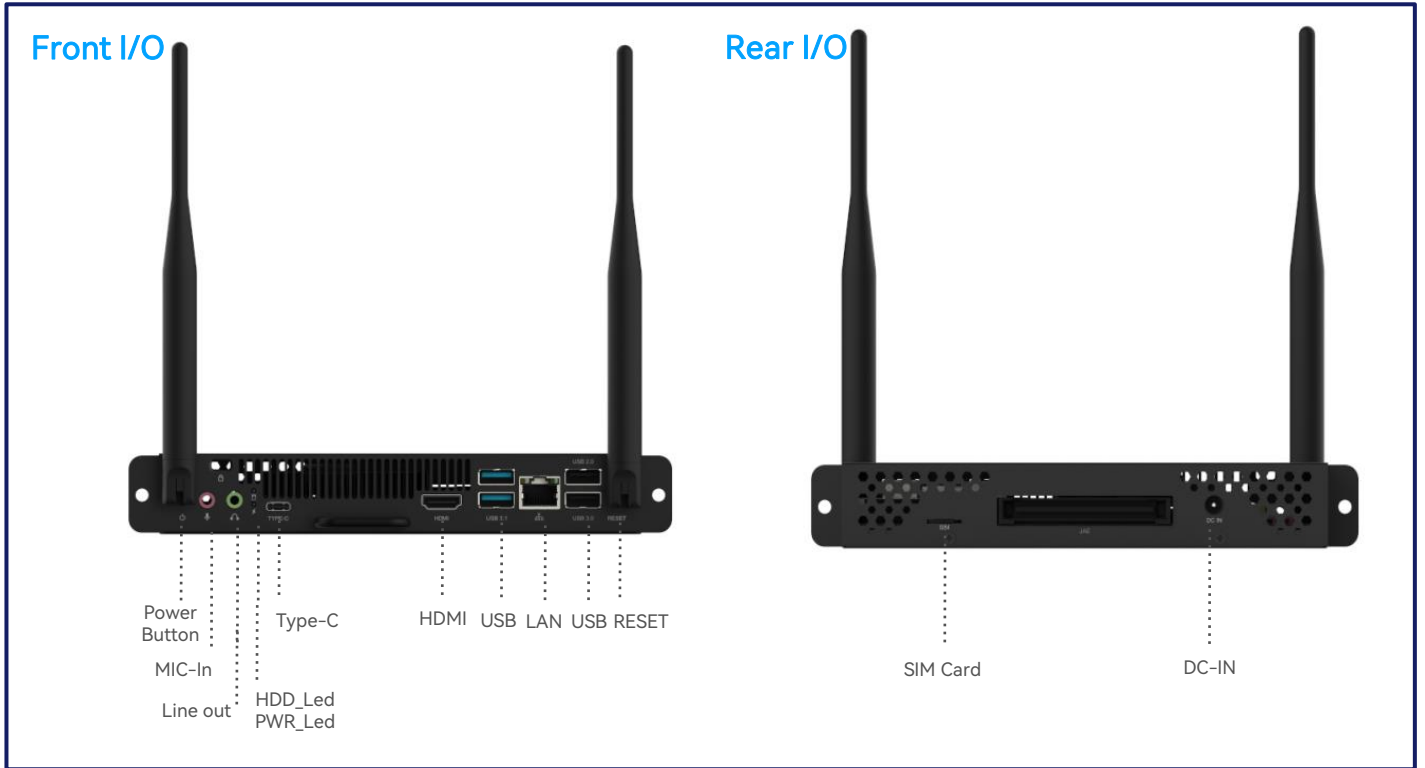
- Based on Intel Alder lake platform design
- Provide dual channel So-DIMM DDR4 slots
- Provide 1 x M.2 KEY M 2280 for NVMe SSD
- Provide 1 x M.2 KEY B 2242 for SATA SSD or 4G module card
- Provide 2 x USB3.2 GEN2, 2 x USB2.0, 1 x Type-C
- Support WIFI6
- Support 4G mobile network
- Support 1000M Ethernet ,RJ-45 port
- OPS Interface: Provide 1 x HDMI 2.0 4K@60Hz
- OPS Interface: Provide 2 x USB2.0, 1 x USB3.0, 1 x TTL .
- Support Physical TPM 2.0 security encryption module
- Support Windows10/Windows 11/Linux OS.

01 Specifications

Processor System	CPU	Intel® Alder lake Processor i5-1235U, TDP 15W
	Chipset	SOC
	BIOS	AMI UEFI BIOS
Graphics	Graphics card	Intel® Iris® Xe Graphics
	Multi displays	Support dual displays
	Interface	1 x Type-C(4K@60Hz), 1 x HDMI 2.0(4K@60Hz)
Memory	Type	Dual Channel SO-DIMM DDR4 3200MHz
	Max	32GB
Ethernet	Lan IC	Intel I226LM
	Interface	10/100/1000Mbps
	Connector	1 x RJ-45
Wireless	Type	Wi-Fi/BT module
	Interface	1 x M.2 2230 KEY-E slot
Storage	Type	NVMe/SATA
	Interface	1 x M.2 2280 KEY-M for NVMe PCIe GEN3 SSD 1 x M.2 2242 KEY-B for SATA SSD
IO Interface	Front panel	1 x Type-C(4K@60Hz), 1 x HDMI 2.0(4K@60Hz) 2 x USB 3.2 GEN2 Type A, 2 x USB 2.0 Type A, 1 x Type-C(Support 4K display) 1 x RJ-45 1 x COM pin header RS-232 (Optional) 1 x MIC IN, 1 x Line Out 2 x Wi-Fi/BT ANT
	OPS Interface	1 x 2.5/5.5 DC IN JACK 1 x HDMI 2.0 4K@60Hz output 2 x USB2.0, 1 x USB3.0 1 x TTL
Software	OS Supports	Windows 10/Windows 11/Linux
	Watchdog	Support
	vPro/AMT	Support(CPU support)
Power	TPM	Support
	Power input	12~19V DC IN, 2.5/5.5 DC Jack & JAE 80pin DC IN
Size	Dimension	Comply with OPS standard module · 119(L) x 180(W) x 30(H) mm
Certification	Certification	CB/CE/FCC
Environment	Operating Temp.	-5~45°C
	Operating Humidity	10%~90% non-condensing
	Storage Temp.	-20~70°C
	Operating Humidity	5%~95% non-condensing

02

Product view



03

Dimensions

