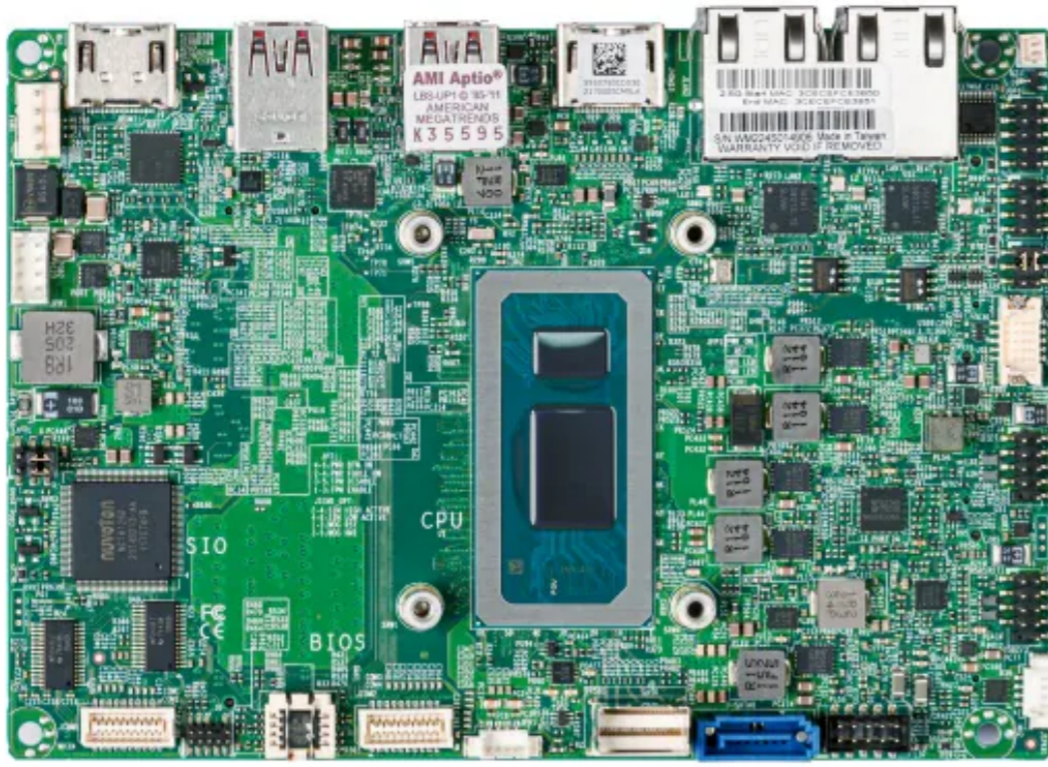


X13SRN-E-WOHS New



**Embedded
vPro support
4 Independent Displays
Fanless**

Key Features

1. First performance hybrid architecture from Intel
2. 4 independent display with 4K resolution
3. Fast AI hardware acceleration
4. Up to 96 EU with Intel® Iris® Xe graphics capable of 4K60 resolution
5. Next gen interface: DDR5-4800 MHz and PCIe Gen4 x4 by SlimSAS and M.2
6. High speed connectivity through dual 2.5GbE
7. 100% wide temp grade design and components applied
8. 12-24V wide range power with RVP and TVS
9. Rich I/O and expansion: 4 COM, 9 USB, audio with AMP, triple M.2
10. Hailo-8™ powerful and efficient Edge AI solution integration ready

...

Optimized Servers

[SYS-E102-13R-E](#)

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Specifications

Resources

Parts List

Product SKUs	
MBD-X13SRN-E-WOHS	
Physical Stats	
Form Factor	3.5" SBC
Dimension	5.7" x 4" (14.6cm x 10.16cm)
Processor	
CPU	13th Generation Intel® Core™ i5-1350PE Processor Single Socket FCBGA-1744 supported, CPU TDP supports Up to 28W TDP
Core	Up to 12 cores, 16 threads / 12MB Cache
System Memory	
Memory Capacity	2 DIMM slots Up to 64GB Unbuffered non-ECC SODIMM, DDR5-4800MT/s
Memory Type	4800 MT/s non-ECC DDR5 SODIMM Unbuffered
DIMM Sizes	8GB, 16GB, 32GB
Memory Voltage	1.1V
On-Board Devices	
Chipset	System on Chip
SATA	Intel Mobile Chipset controller for 1 SATA3 ports
Audio	ALC 888S HD Audio
Graphics	1 Intel® Iris® Xe Graphics port(s) 4 Independent Displays from Dual DP (Alt mode)/HDMI 2.0b/HDMI1.4
Network Controllers	Dual LAN with Intel® Ethernet Controller I226-IT, 2.5G, TSN, industrial grade
Input / Output	
SATA	1 SATA3 port(s)
USB	6 USB port(s) (4 via header; 2 rear type A) 2 USB 3.2 Gen2 port(s) (2 rear type C Support DP1.4a (ALT mode))
Video Output	1 HDMI 2.0b port(s), 1 HDMI port(s), 2 DP (Alt mode) port(s)
Serial Port	4 COM Port(s) (4 header), 2 RS-232/422/485 with flow control, 2 RS-232
TPM	1 TPM Chip
Others	1 8-bit GPIO header 1 SMBus header

Expansion Slots	
PCIe	1 PCIe 4.0 x4 SlimSAS
M.2	M.2 Interface: 1 PCIe 4.0 x4; 1 CNVi/PCIe 3.0 x1/USB2; 1 SATA or PCIe x1/USB3/USB2 Form Factor: 2242/2280, 2230, 2242/2280 Key: M-Key, E-Key, B-Key
System BIOS	
BIOS Type	AMI UEFI
BIOS Features	ACPI 6.4 SMBIOS 3.5 or later UEFI 2.8B PCI FW 3.3 RTC (Real Time Clock) Wakeup
Management	
Software	Supermicro Server Manager (SSM) , Supermicro Update Manager (SUM) , Supermicro SuperDoctor® 5 (SD5) , Super Diagnostics Offline (SDO) , SuperServer Automation Assistant (SAA) New!
System Management Software	SuperDoctor® 5
Power Configurations	ACPI Power Management, Wake-On-LAN, Force Power On by Jumper, Control of power-on for recovery from AC power loss, +12-24V DC Power Input
Security	
Hardware	Trusted Platform Module (TPM) 2.0
PC Health Monitoring	
Voltage	VBAT, +5V, +3.3V, +12V, +1.8V PCH, +3.3V standby, Vmem, Vcore, +1.05V
LED	Power LED LAN activity LED HDD Activity LED
Temperature	CPU thermal trip support peripheral temperature System temperature CPU temperature PCH temperature
Other Features	RoHS
FAN	4x 4-pin fan headers (up to 4 fans)
Operating Environment	
Operating Temperature Range	0°C - 85°C (32°F - 185°F)
Non-Operating Temperature Range	-40°C - 85°C (-40°F - 185°F)
Operating Relative Humidity Range	10% - 85% (non-condensing)
Non Operating Relative Humidity Range	10% - 95% (non-condensing)

Certain products may not be available in your region

Global SKU English ▼

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