



HPM-SRSUA

Intel® single 4th Gen. Xeon® Scalable Processor
ATX Server Board with Intel® C741 Chipset and
IPMI2.0

Processor supports up to 270W TDP

- > Intel LGA4677 Socket supports 4th Gen. Intel Xeon Scalable Processor (Max. TDP at 270W)
- > Intel® C741 Chipset
- > 6 x DDR5 4800/ 4400 MHz RDIMM up to 1.5TB
- > TPM 2.0 onboard
- > IPMI 2.0 with AST 2600 BMC controller onboard.
- > 1 x Intel I210AT 1Giga-bit Ethernet
- > 1 x Intel I226-LM 2.5Giga-bit Ethernet
- > 1 x Intel X550-AT2 10Giga-bit Ethernet(Optional)
- > 5 x SATA III Support RAID 0,1,5,10
- > 1 x internal RS232 port
- > 4 x USB 3.2 Gen1 port & 2 x USB 2.0 port at Edge I/O
- > 4 x internal USB 3.2 Gen1 Port
- > 1 x M.2 M-Key PCIe 3.0 x4 NVMe SSD, 2242/2260/2280/22110 form factor
- > 12" x 9.6" (304.8mm x 243.84mm), PCB thickness is 2.54mm.

+ Spec

System Information

Processor	Intel LGA4677 Socket supports 4th Gen. Intel Xeon Scalable Processor (Max. TDP at 270W)
Platform Controller Hub	Intel® C741 Chipset
System Memory	6 x DDR5 4800/ 4400 MHz RDIMM up to 1.5TB
BIOS Information	AMI UEFI BIOS
Watchdog Timer	System Reset Event. 0 ~ 6553 seconds.
H/W Status Monitor	CPU temperature, Fan speed and voltage monitoring, Fan speed control, and Case Open detection
TPM	TPM 2.0 onboard
iAMT	IPMI 2.0 with AST 2600 BMC controller onboard.

-Rear I/O-

USB Port	4 x USB 3.2 Gen1 ports 2 x USB 2.0 ports
COM Port	1 x RS232 port
VGA	1 x VGA port
RJ-45	5 x RJ45 MGMT port for dedicated IPMI access only. LAN1 port for 1GbE shared with IPMI access. LAN2 port for 2.5GbE LAN3 and 4 ports for 10GbE (Optional)

-Display-

Graphic Chipset	AST2600 BMC Controller
Resolution	1 x VGA port VGA: 1920 x 1200 @ 60Hz 32bpp

Expansion

Expansion	4 x PCIe Gen5 x16 slots and 3 x PCIe Gen5 x4 slots Slot 1, PCIe 5.0 x16 Slot 2, PCIe 5.0 x4 Slot 3, PCIe 5.0 x16 Slot 4, PCIe 5.0 x4 Slot 5, PCIe 5.0 x16 Slot 6, PCIe 5.0 x4 Slot 7, PCIe 5.0 x16 (Slot 7 is the slot closest to CPU)
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Storage

M.2	1 x M.2 M-Key PCIe 3.0 x4 NVMe SSD, 2242/2260/2280/22110 form factor
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I/O

USB Port	4 x internal USB 3.2 Gen1 ports
SATA	5 x SATA III (Note:SATA 1~4 support RAID 0,1,5,10)
Serial	1 x Internal RS232 port
CMOS Battery	1 x Horizontal Socket Type CMOS Battery Holder with CR2450

Ethernet

LAN Chipset	1 x Intel I210AT 1Giga-bit Ethernet 1 x Intel I226-LM 2.5Giga-bit Ethernet 1 x Intel X550-AT2 10Giga-bit Ethernet (Optional)
LAN Port	5 x RJ45 MGMT port for dedicated IPMI access only. LAN1 port for 1GbE shared with IPMI access. LAN2 port for 2.5GbE LAN3 and 4 ports for 10GbE (Optional)

Mechanical & Environmental

Operating Temperature	0 ~ 60°C (32 ~ 140°F) 0 °C to 60 °C (32 ~ 140°F)to support up to 250W TDP CPU 0 °C to 50 °C (32 ~ 122°F)to support up to 270W TDP CPU
Storage Temperature	-40 ~ 85°C

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Operating Humidity	40°C @95% Relative Humidity, Non-condensing
Weight	1.19KG
Power Connector	1 x Std. 24 Pin ATX Connector 3 x 8 Pin SSI 12V Connector
Dimension (L x W)	12" x 9.6" (304.8mm x 243.84mm), PCB thickness is 2.54mm.
Software Support	
OS Information	Windows 10 IoT Enterprise LTSC 2021. Windows 11 IoT Enterprise. Windows Server IoT 2019 with VT-d disabled. Windows Server IoT 2022. Ubuntu 20.04 LTS or later Red Hat Enterprise Linux (RHEL) 8.2 and later
Ordering Information	
Ordering Information	HPM-SRSUAA-A1R ATX 1xLGA4677 Intel 4th Gen.C741/X550 6xDDR5/4xPClex16/2x10GbE/1x1GbE/1x2.5GbE/8xUSB3/5xSATA3 HPM-SRSUAL-A1R ATX 1xLGA4677 Intel 4th Gen.C741 6xDDR5/4xPClex16/1x1GbE/1x2.5GbE/8xUSB3/5xSATA3

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Assured Systems

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