



## 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	
<b>Processor</b>	Intel LGA4677 Socket supports 4th Gen. Intel Xeon Scalable Processor (Max. TDP at 270W)
<b>Platform Controller Hub</b>	Intel® C741 Chipset
<b>System Memory</b>	6 x DDR5 4800/ 4400 MHz RDIMM up to 1.5TB
<b>BIOS Information</b>	AMI UEFI BIOS
<b>Watchdog Timer</b>	System Reset Event. 0 ~ 6553 seconds.
<b>H/W Status Monitor</b>	CPU temperature, Fan speed and voltage monitoring, Fan speed control, and Case Open detection
<b>TPM</b>	TPM 2.0 onboard
<b>iAMT</b>	IPMI 2.0 with AST 2600 BMC controller onboard.
-Rear I/O-	
<b>USB Port</b>	4 x USB 3.2 Gen1 ports 2 x USB 2.0 ports
<b>COM Port</b>	1 x RS232 port
<b>VGA</b>	1 x VGA port
<b>RJ-45</b>	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-	
<b>Graphic Chipset</b>	AST2600 BMC Controller
<b>Resolution</b>	1 x VGA port VGA: 1920 x 1200 @ 60Hz 32bpp
Expansion	
<b>Expansion</b>	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)
Storage	
<b>M.2</b>	1 x M.2 M-Key PCIe 3.0 x4 NVMe SSD, 2242/2260/2280/22110 form factor
I/O	
<b>USB Port</b>	4 x internal USB 3.2 Gen1 ports
<b>SATA</b>	5 x SATA III (Note:SATA 1~4 support RAID 0,1,5,10)
<b>Serial</b>	1 x Internal RS232 port
<b>CMOS Battery</b>	1 x Horizontal Socket Type CMOS Battery Holder with CR2450
Ethernet	
<b>LAN Chipset</b>	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)
<b>LAN Port</b>	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	
<b>Operating Temperature</b>	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
<b>Storage Temperature</b>	-40 ~ 85°C

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<b>Operating Humidity</b>	40°C @95% Relative Humidity, Non-condensing
<b>Weight</b>	1.19KG
<b>Power Connector</b>	1 x Std. 24 Pin ATX Connector 3 x 8 Pin SSI 12V Connector
<b>Dimension (L x W)</b>	12" x 9.6" (304.8mm x 243.84mm), PCB thickness is 2.54mm.
<b>Software Support</b>	
<b>OS Information</b>	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
<b>Ordering Information</b>	
<b>Ordering Information</b>	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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