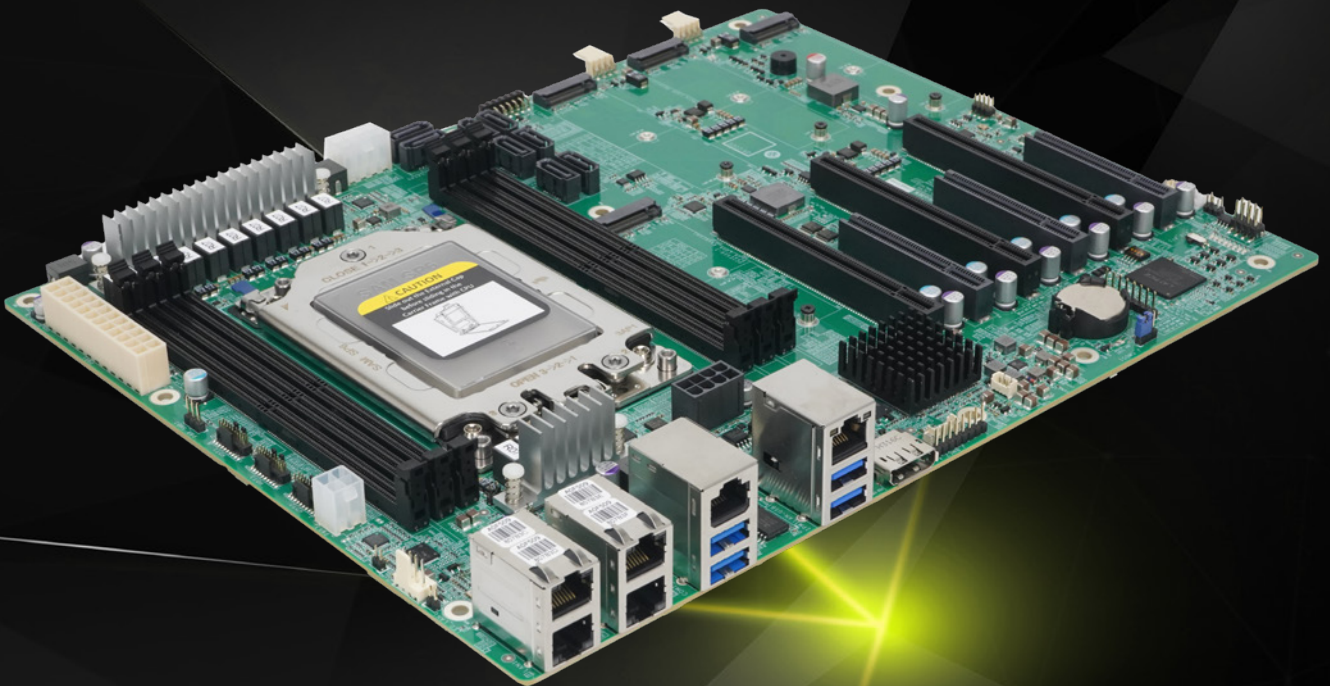


IMBAX-SP6

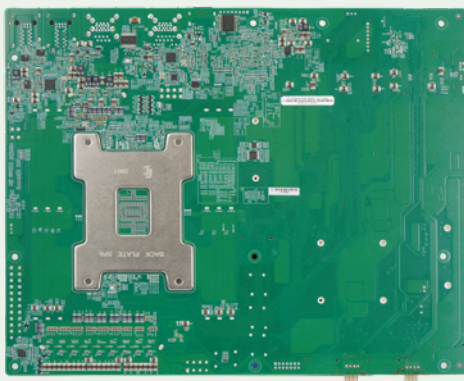
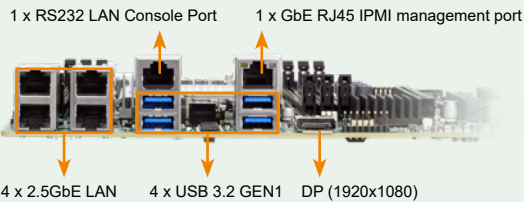
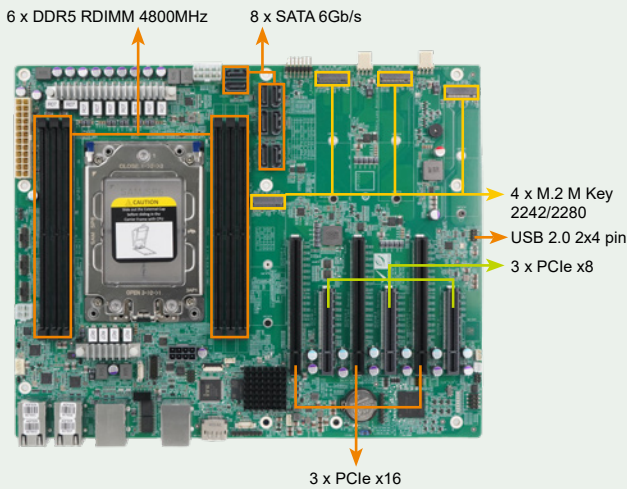
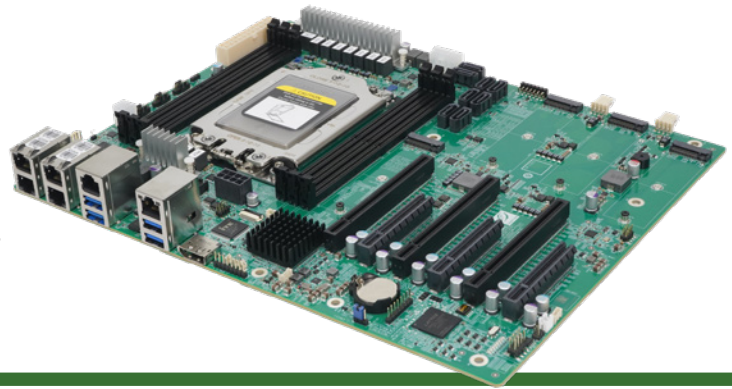
ATX motherboard supports AMD SP6 Siena 8-64 cores

- ATX motherboard supports AMD SP6 Siena 8-64 cores
- 6 x 96GB 288-pin 4800MHz DDR5 RDIMM with ECC, up to 576GB total
- Support display: 1 x DP 1920*1080
- Support 4 x I225-LM / I226-LM 2.5GbE controllers
- Support 1 x PCIe Gen5 x16 slot, 2 x PCIe Gen4 x16 slot, 3 x PCIe Gen4 x8 slot and 4 x M.2 M key expansion



IMBAX-SP6

ATX motherboard supports AMD SP6 Siena 8-64 cores, 70W-225W TDP, DDR5, 4 x 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, RoHS



Support AMD EPYC SP6 CPU

AMD "Zen4" & "Zen4c" x86 cores (Up to 4 CCDs / 64 cores / 128 threads / TDP 70W - 225W)



Support DDR5 RDIMM

6 x 96GB 288-pin 4800MHz DDR5 RDIMM with ECC, up to 576GB total



Support 4 x I225-LM / I226-LM 2.5GbE Network Controller

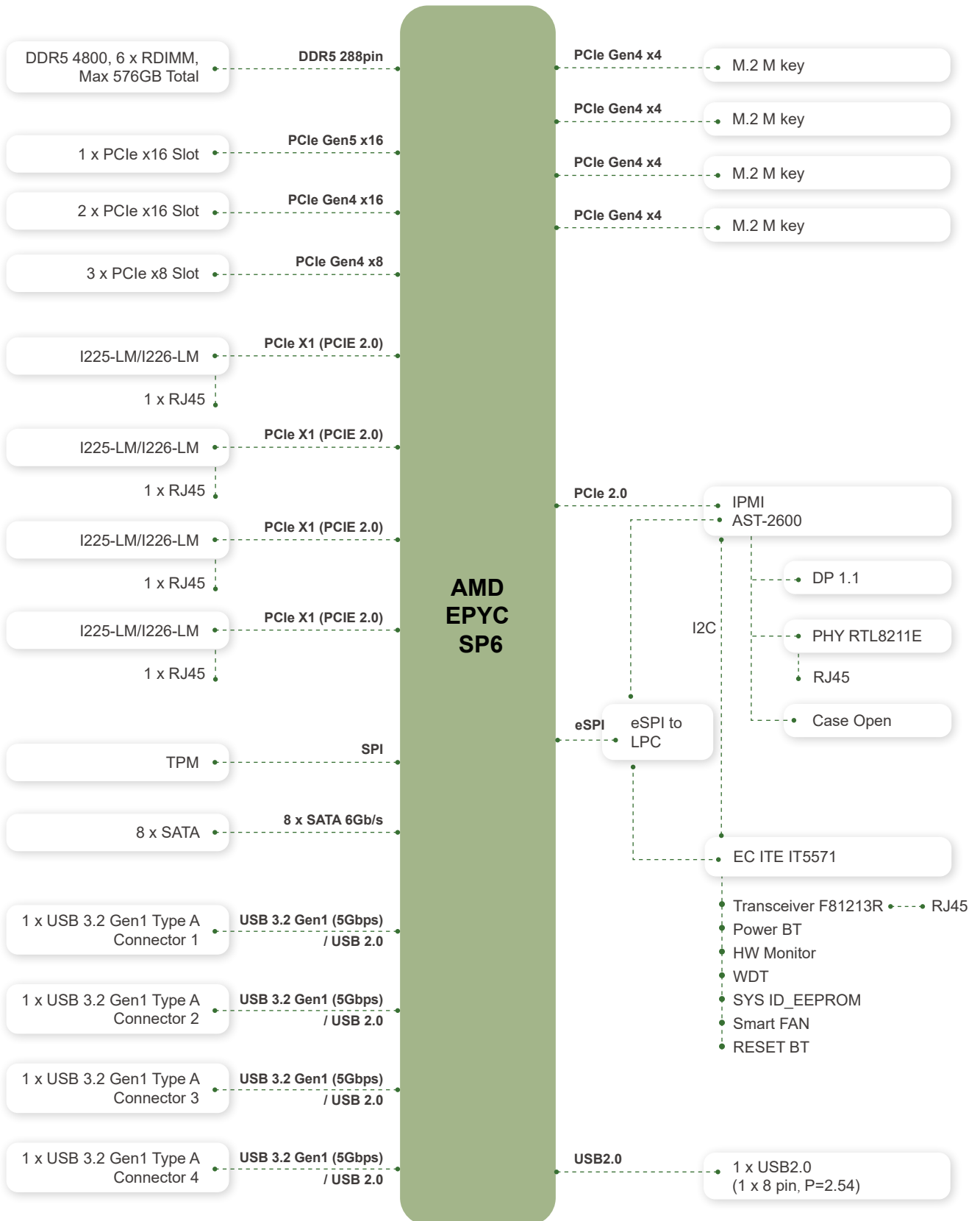
Four RJ45 network ports are provided via I225-LM / I226-LM 2.5GbE network controller to achieve up to 2.5GbE network transmission rate



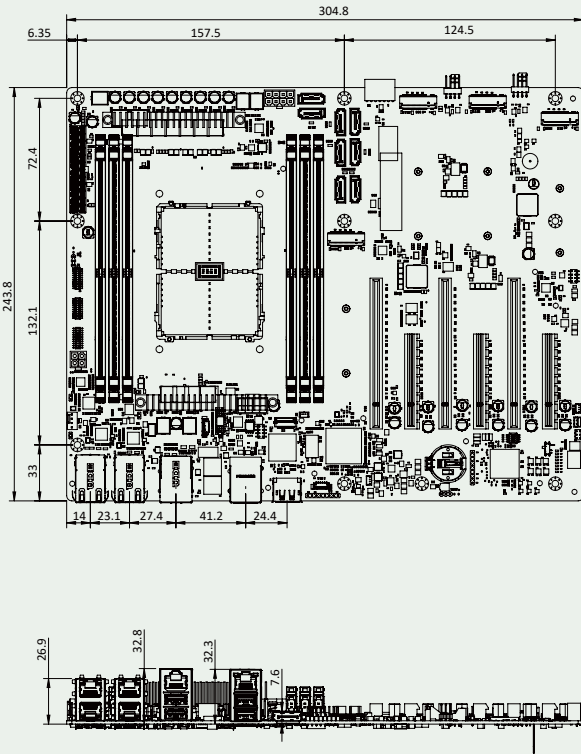
Abundant Expansion Slots

The IMBAX-SP6 Supports 1 x PCIe Gen5 x16 slot, 2 x PCIe Gen4 x16 slot, 3 x PCIe Gen4 x8 slot and 4 x M.2 M key expansion

Block Diagram



Dimensions



Specifications

Model	IMBAX-SP6
CPU	AMD EPYC SP6
Memory	6 x 288-pin DDR5 4800MHz ECC RDIMM
Embedded Controller	EC IT5771
Rear I/O Connectors	On board IPMI AST-2600 (1 x DP1.1a, 1 x RJ45) 4 x USB 3.2 Gen1 (Type-A) (5Gb/s) 1 x RJ45 (RS-232 Console)
Ethernet	4 x 2.5G (I225-LM / I226-LM) Base-T LAN Ports
Internal I/O Interface	8 x SATA 6Gb/s connectors 2 x USB 2.0 via one 2x4 pin connector, P=2.54
Expansion	1 x PCIe Gen5 x16 slot 2 x PCIe Gen4 x16 slot 3 x PCIe Gen4 x8 slot 4 x M.2 M Key (2242/2280, PCIe x4 for SSD) NVMe support slot
TPM	1 x TPM header
FAN connector	1 x CPU fan connector (1x4 pin) 2 x System fan connector (1x4 pin)
Power supply	ATX/AT power supply Support AT/ATX mode
Power consumption	5VSB@0.7A, 5V@1.68A, 3.3V@0.87A, 12V@9.4A (AMD SP6 Siena 8-64 cores with 192GB (six of 32GB) 4800MHz DDR5 memory)
Operating Temperature	0°C ~ 60°C
Storage Temperature	-30°C ~ 70°C
Operating Humidity	5% ~95%, non-condensing
Diemension	244mm x 305mm (ATX)
Net Weight	900g
Safety & EMC	CE/FCC compliant

Packing List

1 x IMBAX-SP6 single board computer	2 x SATA cable
1 x I/O Shielding	1 x QIG

Ordering Informaiton

IMBAX-SP6-R10	ATX motherboard supports AMD SP6 Siena 8-64 cores, DDR5 4800MHz, 4 x 2.5GbE LAN, M.2, USB 3.2, SATA 6Gb/s, RoHS
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Optional Accessories

19100-000358-00-RS	Cooler Module/ Heat Pipe, Heatsink Module:127.05 x 92 x 115.5mm, FAN: 92 x 92 x 38mm. FIN+PIPE x 6+M3 screw x 4+grease. For AMD SP6, DC FAN:12V, 4900RPM, 2510-4P, L=180mm, CCL, RoHS
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