



MTT S2000

The MTT S2000 uses a 12NM process, uses 4096 MUSA cores, configures a maximum of 32GB of video memory, has a single-precision computing power of up to 12TFlops, supports H.264, H.265, AV1 multi-channel HD video encoding and decoding, and a wide range of AI model computing power acceleration. The MTT S2000 adopts passive cooling, single-slot design to meet the high-density GPU configuration mode of data center.

Moore Thread has launched a special unified programming model, runtime, driver and other software tools for hardware architecture for MTT S2000 series products, which can facilitate developers to complete the porting and adaptation of applications and fully call MTT OpenGL ES, DirectX, Vulkan and other graphics APIs; Support audio and video processing ecology through FFAMPEG and VA-API/DXVA compatibility; And through OpenCL and Vulkan to meet the AI and scientific computing

program compatibility.

Moore Thread MTT S2000 is compatible with CPU architectures such as X86 and ARM and mainstream Linux operating system distributions, and has begun to cooperate with a number of server partners to adapt to a variety of OEM manufacturers' general-purpose server and GPU server models, which can be deployed in many hardware and application environments.

Specifications	
MUSA Number of cores	4096
FP32 Hash	10.6 TFLOPS
INT8 Hash	42.4 TOPS
Encode	2 MUSA Gen1 Encoder
Decode	2 MUSA Gen1 Dncoder
Memory Capacity	16/32 GB
Memory Bit Width	256 bit
TDP	150W
Dimensions	L 266mm X H 111mm
Device	PCIE



Support for modern graphics rendering engines



Support H.264, H.265 and AV1 encoding formats
Support AV1, H.264, H.265 and other encoding formats while multi-channel concurrent decoding



Supports AI computing such as Pytorch, TensorFlow, paddle, etc



Supports OpenCL 3.0 parallel computing



Support X86, ARM architecture CPU



Support Ubuntu, Kirin, Tongxin and other operating systems



MT GMI status and performance monitoring