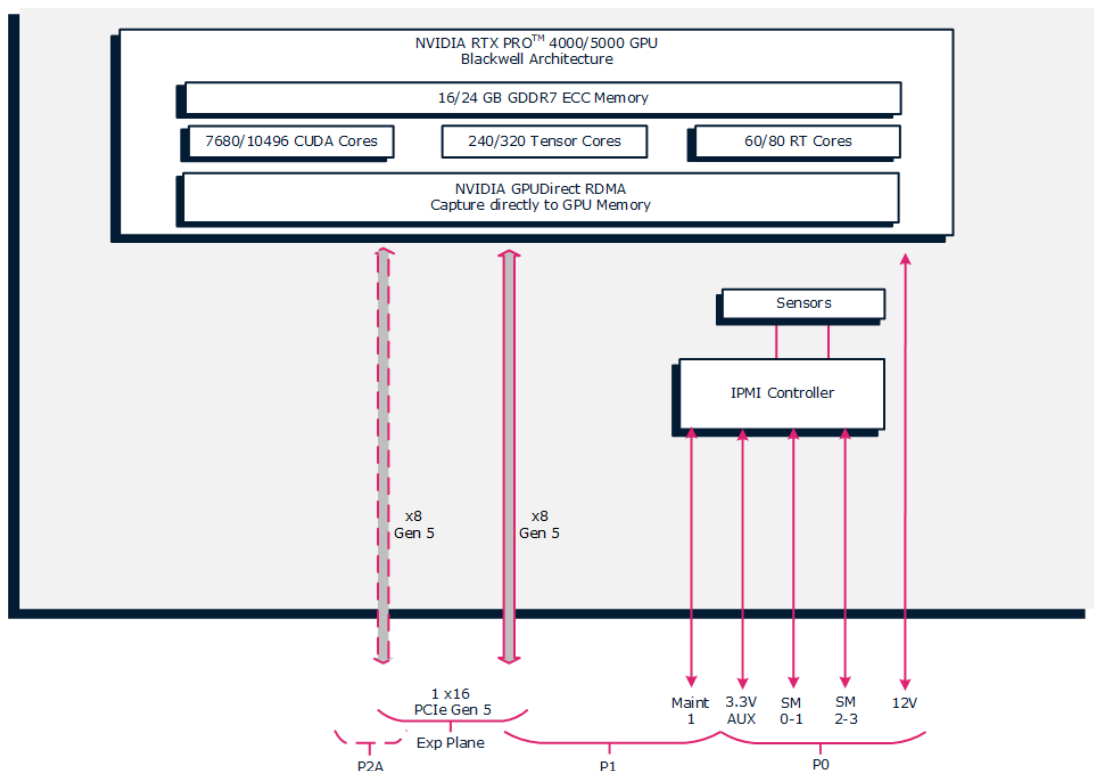


SOSA[®] Aligned 3U VPX GPGPU Card

Key Features

Bragi is a rugged 3U OpenVPX GPGPU processing card powered by the NVIDIA RTX PRO[™] 4000/5000 Blackwell GPU

- Supports 16/24 GB of GDDR7 graphics memory equipped with error correction code (ECC)
- 7,680/10,496 CUDA[®] cores, 240/320 Tensor Cores and 60/80 RT Cores
- H.265 (HEVC) / H.264 (MPEG4/AVC), AV1 Hardware Codec
- NVIDIA GPUDirect Remote Direct Memory Access (RDMA)
- including 9th Gen NVENC encoders with 4:2:2 support and 6th Gen NVDEC decoders



VPX High-Performance GPGPU Card

- Rugged 3U OpenVPX GPGPU processing card powered by the NVIDIA RTX PRO™ 4000/5000 GPU
- Compliant with these slot profiles:
 - SLT3-PAY-1F1U1S1S1U1U2F1H-14.6.11-0
 - SLT3-PAY-1F1U1S1S1U1U4F1J-14.6.13-0

Central Processor

- NVIDIA RTX PRO™ 4000 GPU (Blackwell Generation)
- DirectX12, OpenGL 4.6, Vulkan 1.3
- GPGPU Capabilities:
 - 7,680 CUDA Cores. 240 Tensor Cores. 60 RT Cores.
 - Up to 1,334 FP4 AI TOPS Performance
 - Supports CUDA, CUDA-X, OpenCL™ and Shader Model 6.8
 - H.265 (HEVC) / H.264 (MPEG4/AVC), AV1 Hardware Codec
 - 9th Gen NVENC Encoders with 4:2:2 support
 - 6th Gen NVDEC Decoders
 - NVIDIA GPUDirect® RDMA
- NVIDIA RTX PRO™ 5000 GPU (Blackwell Generation)
- DirectX12, OpenGL 4.6, Vulkan 1.3
- GPGPU Capabilities:
 - 10,496 CUDA Cores. 320 Tensor Cores. 80 RT Cores.
 - Up to 1,824 FP4 AI TOPS Performance
 - Supports CUDA, CUDA-X, OpenCL™ and Shader Model 6.8
 - H.265 (HEVC) / H.264 (MPEG4/AVC), AV1 Hardware Codec
 - 9th Gen NVENC Encoders with 4:2:2 support
 - 6th Gen NVDEC Decoders
 - NVIDIA GPUDirect® RDMA

DRAM

- Option for NVIDIA RTX PRO™ 4000 GPU:
- 16 GB GDDR7 with Error Correction Code
 - 256-bit Memory Interface
- Option for NVIDIA RTX PRO™ 5000 GPU:
- 24 GB GDDR7 with Error Correction Code
 - 256-bit Memory Interface

Software Support

- Windows or Linux on x86

Environmental Specification

- CC4 (-40C to 85C) at Card Edge
- CCW4 (-40C to 71C) at Cold Wall
- AFT2 (-40C to 55C)
- Humidity:
 - 95% Without Condensation

Mechanical Specification

- 3U VPX Form Factor
- 1" Pitch Conduction Cooled (VITA 48.2)
- 1.2" & 1.5" Pitch AFT (Vita 48.8)
- Operating mechanical:
 - Shock - 40 g
 - Random vibration - 0.1 g²/Hz

Electrical Specification

- Typical current figure:
 - 12 V Vss
 - 3.3 V AUX
 - 90W-150W