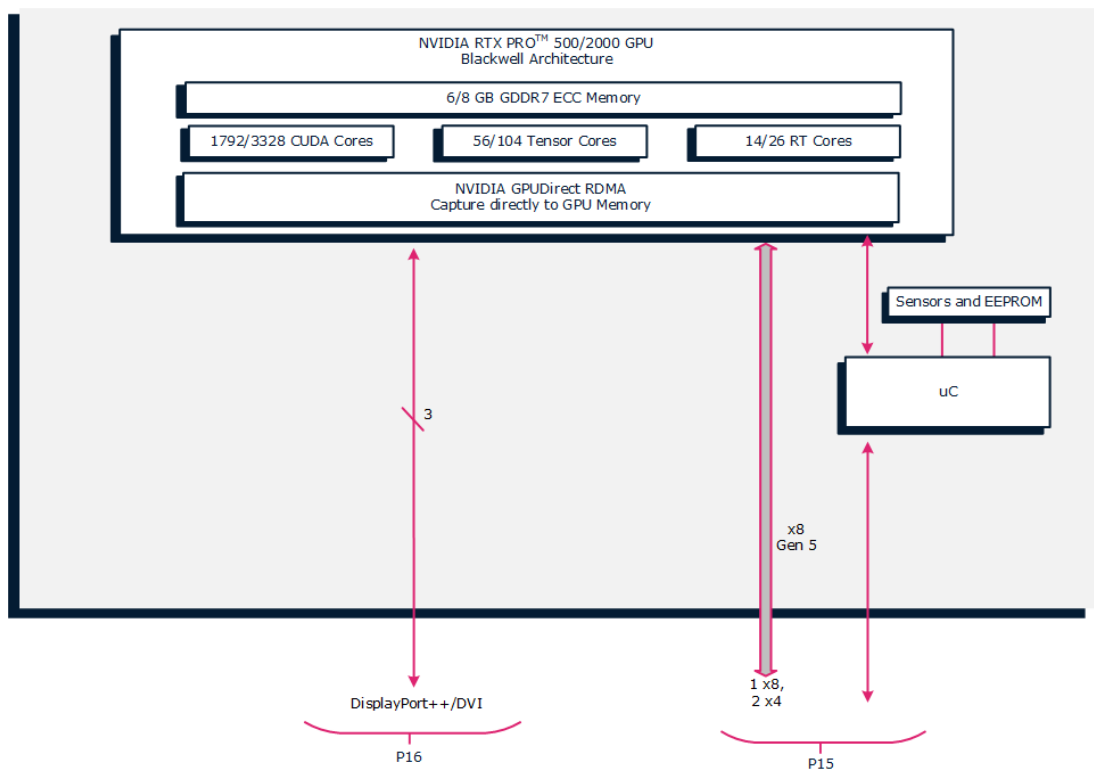
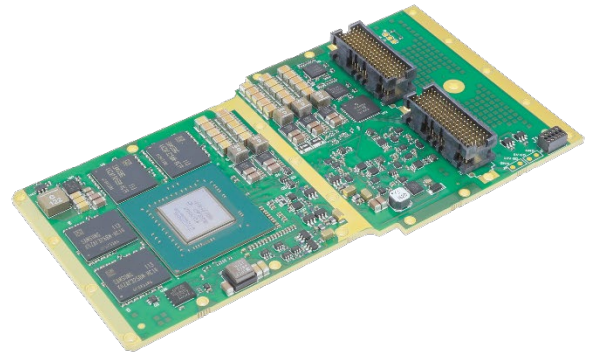


Embedded XMC graphics & GPGPU card

Key Features

Narvi is a rugged XMC video graphics and GPGPU card built with the advanced NVIDIA RTX PRO™ 500/2000 Blackwell GPU

- Supports 6/8 GB of GDDR7 graphics memory equipped with error correction code (ECC)
- 1,792/3,328 CUDA® cores, 56/104 Tensor Cores and 14/26 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



XMC High-Performance GPGPU Card

- Rugged XMC video graphics and GPGPU card powered by the NVIDIA RTX PRO™ 500/2000 GPU
- Video Outputs:
 - Up to 3x DisplayPort++/DVI
 - Rear Pn6 XMC I/O. VITA 46.9 x12d+x8d+x16s
- Options in:
 - XMC 1.0 (VITA42)
 - XMC 2.0 (VITA61)

Central Processor

- NVIDIA RTX PRO™ 500 GPU (Blackwell Generation)
- DirectX12, OpenGL 4.6, Vulkan 1.4
- GPGPU Capabilities:
 - 1,792 CUDA Cores. 56 Tensor Cores. 14 RT Cores.
 - 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™ 2000 GPU (Blackwell Generation)
- DirectX12, OpenGL 4.6, Vulkan 1.4
- GPGPU Capabilities:
 - 3,328 CUDA Cores. 104 Tensor Cores. 26 RT Cores.
 - 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™ 500 GPU:
- 6 GB GDDR7 with Error Correction Code
 - 128-bit Memory Interface
- Option for NVIDIA RTX PRO™ 2000 GPU:
- 8 GB GDDR7 with Error Correction Code
 - 128-bit Memory Interface

Software Support

- Windows or Linux on x86

Environmental Specification

- -40°C to 70°C (Air Cooled)
- -40°C to 85°C (Rugged Conduction Cooled)
- Humidity:
 - 95% Without Condensation

Mechanical Specification

- XMC Form Factor
- Operating mechanical:
 - Shock - 40 g
 - Random vibration - 0.1 g²/Hz

Electrical Specification

- Typical current figure:
 - 12 V Vss
 - 35W-60W