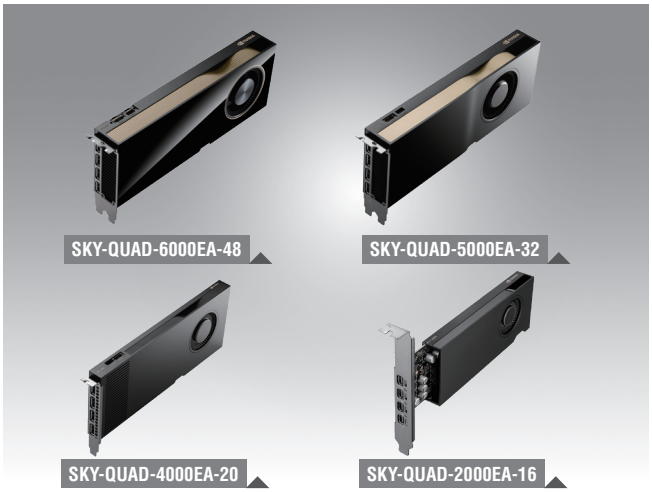
# SKY-QUAD-6000EA-48
# SKY-QUAD-5000EA-32
# SKY-QUAD-4000EA-20
# SKY-QUAD-2000EA-16

**NVIDIA RTX 6000E Ada**
**NVIDIA RTX 5000E Ada**
**NVIDIA RTX 4000E Ada**
**NVIDIA RTX 2000E Ada**




## Features

- NVIDIA Ada Lovelace GPU architecture
- Fourth-generation Tensor Cores
- Third-generation RT Cores
- GDDR6 memory with ECC
- AV1 Encode and Decode Support
- NVIDIA GPUDirect Remote Direct Memory Access (RDMA) support
- NVIDIA Mosaic Technology
- Graphics bus: PCI-E 4.0 x16
- Thermal solution: Active
- Long life cycle to year 2030

## Introduction

The new NVIDIA RTX Ada Generation series is the ultimate workstation graphics card designed for professionals who demand maximum performance and reliability to deliver their best work and breakthrough innovations across industries. Built on the NVIDIA Ada Lovelace architecture, which combines third-generation RT Cores, fourth-generation Tensor Cores, and new CUDA® cores with error correction code (ECC) graphics memory. All help to deliver the next generation of AI graphics and petaflop inferencing performance for unprecedented speed-up in rendering, AI, graphics, and compute workloads. NVIDIA RTX professional graphics cards are certified with a broad range of professional applications, tested by leading independent software vendors (ISVs), and backed by a global team of support specialists.

## Specifications

| Product Name | NVIDIA RTX 6000E Ada | NVIDIA RTX 5000E Ada | NVIDIA RTX 4000E Ada | NVIDIA RTX 2000E Ada |
|---|---|---|---|---|
| Part Number | SKY-QUAD-6000EA-48 | SKY-QUAD-5000EA-32 | SKY-QUAD-4000EA-20 | SKY-QUAD-2000EA-16 |
| GPU Memory | 48 GB GDDR6 with ECC | 32 GB GDDR6 with ECC | 20 GB GDDR6 with ECC | 16 GB GDDR6 with ECC |
| Memory Interface | 384-bit | 384-bit | 160-bit | 128-bit |
| Memory Bandwidth | 960 GB/s | 576 GB/s | 360 GB/s | 224 GB/s |
| NVIDIA CUDA Cores | 18,176 | 12,800 | 6,144 | 2,816 |
| Tensor Cores | 568 | 400 | 192 | 88 |
| RT Cores | 142 | 100 | 48 | 22 |
| Single-Precision Performance | 91.1 TFLOPS | 65.3 TFLOPS | 26.7 TFLOPS | 8.87 TFLOPS |
| System Interface | PCI Express 4.0 x16 | PCI Express 4.0 x 16 | PCI Express 4.0 x 16 | PCI Express 4.0 x 8 |
| Max Power Consumption | 300W | 250W | 130W | 50W |
| Thermal Solution | Active | Active | Active | Active |
| Form Factor | 4.4 inches (H) x 10.5 inches (L), dual slot, full height | 4.4 inches (H) x 10.5 inches (L), dual slot, full height | 4.4 inches (H) x 9.5 inches (L), single slot, full height | 2.7 inches (H) x 6.6 inches (L), single slot, low profile |
| Display Connectors | 4 x DisplayPort 1.4a | 4 x DisplayPort 1.4a | 4 x DisplayPort 1.4a | 4 x mDP 1.4a |
| Max Simultaneous Displays | 4 x 4096 x 2160 @ 120 Hz<br>4 x 5120 x 2880 @ 60 Hz<br>2 x 7680 x 4320 @ 60 Hz | 4 x 4096 x 2160 @ 120 Hz<br>4 x 5120 x 2880 @ 60 Hz<br>2 x 7680 x 4320 @ 60 Hz | 4 x 4096 x 2160 @ 120 Hz<br>4 x 5120 x 2880 @ 60 Hz<br>2 x 7680 x 4320 @ 60 Hz | 4 x 4096 x 2160 @ 120 Hz<br>4 x 5120 x 2880 @ 60 Hz<br>2 x 7680 x 4320 @ 60 Hz |
| Graphics APIs | DirectX 12.07<br>Shader Model 6.6<br>OpenGL 4.68<br>Vulkan 1.3 | DirectX 12.07<br>Shader Model 6.6<br>OpenGL 4.68<br>Vulkan 1.3 | DirectX 12.07<br>Shader Model 6.6<br>OpenGL 4.68<br>Vulkan 1.3 | DirectX 12.07<br>Shader Model 6.6<br>OpenGL 4.68<br>Vulkan 1.3 |
| Compute APIs | CUDA, DirectCompute, OpenCL™ | CUDA, DirectCompute, OpenCL™ | CUDA, DirectCompute, OpenCL™ | CUDA, DirectCompute, OpenCL™ |
| Power Connector | 1x PCIe CEM5 16-Pin | 1x PCIe CEM5 16-Pin | 1x PCIe CEM5 16-Pin | - |
| Power Adapter Cable Included | Yes | Yes | Yes | - |
| Power Adapter Interface | 2x PCIe 8-Pin | 2x PCIe 8-Pin | 1x PCIe 8-Pin | - |
| Low Profile Bracket | - | - | - | In the accessory bag |

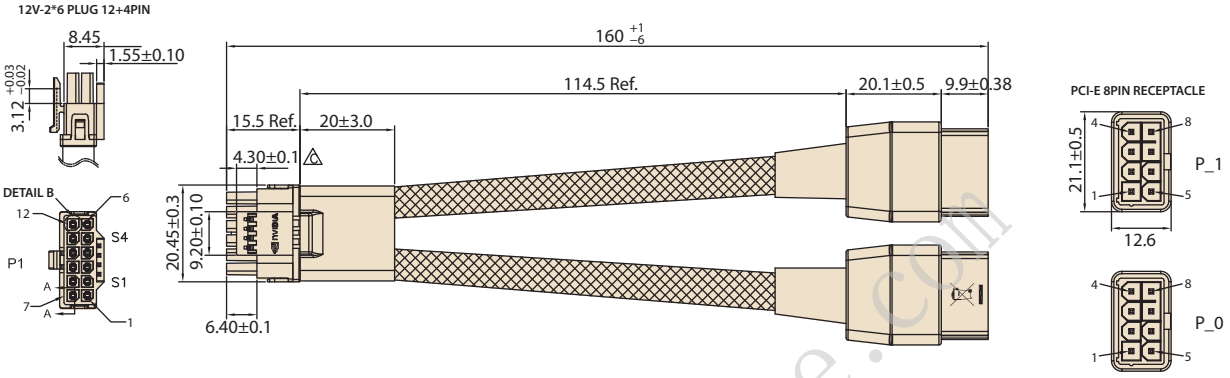
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All product specifications are subject to change without notice.

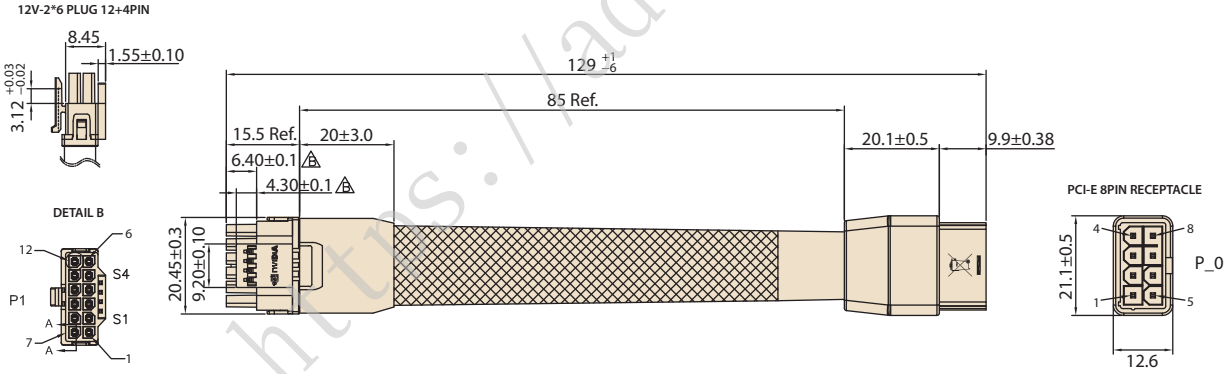
# Bundling Power Adapter Cable Dimensions

Unit: mm

### 2x PCIe 8-Pin to 1x PCIe CEM5 16-Pin Power Adapter Cable




### 1x PCIe 8-Pin to 1x PCIe CEM5 16-Pin Power Adapter Cable




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