



# NVIDIA RTX PRO 4000 Blackwell SFF 24GB

Blackwell    PCIe    2025    4nm

## OVERVIEW

|                     |                     |                              |             |
|---------------------|---------------------|------------------------------|-------------|
| 24.0<br>FP32 TFLOPS | 24 GB<br>VRAM GDDR7 | 432 GB/s<br>Memory Bandwidth | 70 W<br>TDP |
|---------------------|---------------------|------------------------------|-------------|

## PERFORMANCE METRICS

| Precision | Peak (dense) | 2:4 Sparse    | Bits | Type     |
|-----------|--------------|---------------|------|----------|
| FP64      | —            | N/A           | —    | Standard |
| FP32      | 24.0         | N/A           | 32   | Standard |
| TF32      | —            | not published | —    | Standard |
| BF16      | —            | not published | —    | Standard |
| FP16      | —            | not published | —    | Standard |
| FP8       | —            | not published | —    | Standard |
| FP6       | —            | not published | —    | Standard |
| FP4       | 385.0        | 770.0         | 4    | Standard |
| INT8      | —            | not published | —    | Standard |

## MEMORY SPECIFICATIONS

|                 |          |
|-----------------|----------|
| Capacity        | 24 GB    |
| Type            | GDDR7    |
| Bandwidth       | 432 GB/s |
| Interface Width | 192-bit  |

## POWER & EFFICIENCY

|                 |               |
|-----------------|---------------|
| TDP             | 70 W          |
| Max Power       | 70 W          |
| FP32 Efficiency | 0.34 TFLOPS/W |
| FP16 Efficiency | —             |

## HARDWARE DETAILS

|                   |                         |                   |
|-------------------|-------------------------|-------------------|
| Vendor: NVIDIA    | Architecture: Blackwell | Process Node: 4nm |
| Form Factor: PCIe | Launch Year: 2025       | Variant: 24GB     |

## COMPUTE ENGINE

|                   |         |
|-------------------|---------|
| CUDA Cores: 8,960 | SMs: 70 |
|-------------------|---------|

## INTERCONNECT

PCIe: 5.0 x8

ENTERPRISE FEATURES

ECC: **Yes**

Sparsity: **Yes**