NVIDIA PROFESSIONAL GRAPHICS

# Linecard

PNY PRO | NVIDIA RTX PRO

| Product Name / Series | PNY Part # | NVIDIA Part # | GPU Memory | Memory Bandwidth | CUDA® Cores | Tensor Cores | RT Cores | Dimensions | Power & Thermal | Display Connectors | Max Displays | VR Ready | RTX PRO SYNC | NVLink | Hardware FP64 | SFF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NVIDIA PROFESSIONAL GRAPHICS ULTRA HIGH END** | | | | | | | | | | | | | | | | |
| **NVIDIA RTX PRO™ 6000 Blackwell Workstation Edition** | VCNRTXPRO6000B-PB<br>VCNRTXPRO6000B-BLK | 900-5G144-2200-000 | 96GB GDDR7 ECC | 1792 GB/s | 24,064 | 752 | 188 | 5.4" x 12" XHFL \| DS | 600 W Active | DP 2.1b (4) | 4 | • | • | | | |
| **NVIDIA RTX PRO™ 6000 Blackwell Max-Q Workstation Edition** | VCNRTXPRO6000BQ-PB<br>VCNRTXPRO6000BQ-BLK | 900-5G153-2200-000 | 96GB GDDR7 ECC | 1792 GB/s | 24,064 | 752 | 188 | 4.4" x 10.5" FHFL \| DS | 300 W Active | DP 2.1b (4) | 4 | • | • | | | |
| **NVIDIA RTX PRO™ 5000 Blackwell** | VCNRTXPRO5000B-PB<br>VCNRTXPRO5000B-BLK | 900-5G153-2250-000 | 48GB GDDR7 ECC | 1344 GB/s | 14,080 | 440 | 110 | 4.4" x 10.5" FHFL \| DS | 300 W Active | DP 2.1b (4) | 4 | • | • | | | |
| **NVIDIA RTX™ 6000 Ada Generation** | VCNRTX6000ADA-PB<br>VCNRTX6000ADASYNC-PB | 900-5G133-2250-000 | 48GB GDDR6 ECC | 960 GB/s | 18,176 | 568 | 142 | 4.4" x 10.5" FH \| DS | 300 W Active | DP 1.4 (4) | 4 | • | • | | | |
| **NVIDIA RTX™ 5000 Ada Generation** | VCNRTX5000ADA-PB<br>VCNRTX5000ADASYNC-PB | 900-5G132-2240-000 | 32GB GDDR6 ECC | 576 GB/s | 12,800 | 440 | 100 | 4.4" x 10.5" FH \| DS | 250 W Active | DP 1.4 (4) | 4 | • | • | | | |
| **NVIDIA® A800 40GB Active** | VCNA800-PB | 900-51001-2200-000 | 40GB HBM2 ECC | 1555.2 GB/s | 6,912 | 432 | - | 4.4" x 10.5" FH \| DS | 240 W Active | None - Requires companion NVIDIA RTX 4000 Ada, RTX A4000 or RTX A1000 | 4 When Used with Companion Card | When Used with NVIDIA RTX 4000 Ada or RTX A4000 | | • | • |
| **NVIDIA PROFESSIONAL GRAPHICS HIGH END** | | | | | | | | | | | | | | | | |
| **NVIDIA RTX PRO™ 4500 Blackwell** | VCNRTXPRO4500B-PB<br>VCNRTXPRO4500B-BLK | 900-5G147-2250-000 | 32GB GDDR7 ECC | 896 GB/s | 10,496 | 328 | 82 | 4.4" x 10.5" FHFL \| DS | 200 W | DP 2.1b (4) | 4 | • | • | | | |
| **NVIDIA RTX PRO™ 4000 Blackwell** | VCNRTXPRO4000B-PB<br>VCNRTXPRO4000B-BLK | 900-5G147-2270-000 | 24GB GDDR7 ECC | 672 GB/s | 8,960 | 280 | 70 | 4.4" x 9.5" FHML \| SS | 140 W | DP 2.1b (4) | 4 | • | • | | | |
| **NVIDIA RTX™ 4500 Ada Generation** | VCNRTX4500ADA-PB<br>VCNRTX4500ADASYNC-PB | 900-5G132-2260-000 | 24GB GDDR6 ECC | 432 GB/s | 7,680 | 240 | 60 | 4.4" x 10.5" FH \| DS | 210 W Active | DP 1.4 (4) | 4 | • | • | | | |

PNY Technologies, Inc. 100 Jefferson Road, Parsippany, NJ 07054 | Tel 973-515-9700 | Fax 973-560-5590 | WWW.PNY.COM



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Contact a PNY account manager or email GOPNY@PNY.COM
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Part Numbers Include:

-PB = NVIDIA GPU and accessories
-B = NVIDIA GPU only
-BLK = Multi-pack NVIDIA GPUs and accessories
-EDU = NVIDIA GPU and auxiliary power cable

REV. 08.11.25

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **NVIDIA PROFESSIONAL GRAPHICS HIGH END** | | | | | | | | | | | | | | | | |
| **NVIDIA RTX™ 4000 Ada Generation** | VCNRTX4000ADA-PB<br>VCNRTX4000ADASYNC-PB | 900-5G190-2270-000 | 20GB GDDR6 ECC | 360 GB/s | 6,144 | 192 | 48 | 4.4" x 9.5" FH \| SS | 130 W Active | DP 1.4 (4) | 4 | • | • | | | |
| **NVIDIA RTX PRO™ 4000 SFF Blackwell Edition** | VCNRTXPRO4000BLP-PB | 900-5G195-2200-000 | 24GB GDDR7 ECC | 432 GB/s | 8,960 | 280 | 70 | 2.7" x 6.6" LP \| DS | 70 W Active | mDP 2.1b (4) | 4 | • | • | | | • |
| **NVIDIA RTX™ 4000 SFF Ada Generation** | VCNRTX4000ADALP-PB<br>VCNRTX4000ADALPSY-PB | 900-5G192-2270-000 | 20GB GDDR6 ECC | 320 GB/s | 6,144 | 192 | 48 | 2.7" x 6.6" LP \| DS | 70 W Active | mDP 1.4 (4) | 4 | • | • | | | • |
| **NVIDIA PROFESSIONAL GRAPHICS MID RANGE** | | | | | | | | | | | | | | | | |
| **NVIDIA RTX PRO™ 2000 Blackwell** | VCNRTXPRO2000B-PB | 900-5G195-2250-000 | 16GB GDDR7 ECC | 288 GB/s | 4,352 | 136 | 34 | 2.7" x 6.6" LP \| DS | 70 W Active | mDP 2.1b (4) | 4 | • | | | | • |
| **NVIDIA RTX™ 2000 Ada Generation** | VCNRTX2000ADALP-PB | 900-5G192-2240-000 | 16GB GDDR6 ECC | 224 GB/s | 2,816 | 88 | 22 | 2.7" x 6.6" LP \| DS | 70 W Active | mDP 1.4 (4) | 4 | • | | | | • |
| **NVIDIA RTX™ 2000E Ada Generation** | VCNRTX2000ADAS-LLP<br>VCNRTX2000EADA | 900-5G192-2220-E00 | 16GB GDDR6 ECC | 224 GB/s | 2,816 | 88 | 22 | 2.7" x 6.6" LP \| SS | 50 W Active | mDP 1.4 (4) | 4 | • | | | | • |
| **NVIDIA PROFESSIONAL GRAPHICS ENTRY LEVEL** | | | | | | | | | | | | | | | | |
| **NVIDIA RTX™ A1000** | VCNRTXA1000ATX-PB | 900-5G172-2280-000 | 8GB GDDR6 | 192 GB/s | 2,304 | 72 | 18 | 2.7" x 6.4" LP \| SS | 50 W Active | mDP 1.4 (4) | 4 | | | | | • |
| **NVIDIA RTX™ A400** | VCNRTXA400ATX-PB | 900-5G172-2260-000 | 4GB GDDR6 | 96 GB/s | 768 | 24 | 6 | 2.7" x 6.4" LP \| SS | 50 W Active | mDP 1.4 (4) | 4 | | | | | • |

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