

NVIDIA QUADRO<sup>®</sup>  
AUTHORIZED PARTNER

PNY<sup>®</sup>

## 4 REASONS WHY PNY IS THE RIGHT CHOICE for the State, Local and Education (SLED) Markets

### 1. PNY OFFERS SPECIAL GOVERNMENT PRICING

PNY offers a special discount to all qualified government and educational customers on NVIDIA Quadro\* professional graphics solutions. This discount is available through participating distributors only. To see if you qualify, contact your PNY account manager at [GOPNY@PNY.COM](mailto:GOPNY@PNY.COM).

### 2. PNY OFFERS A FULL RANGE OF GPU PRODUCTS AND SOLUTIONS

PNY offers a full line of professional GPU solutions to meet any project need, including the NVIDIA<sup>®</sup> Quadro<sup>®</sup> line of professional graphics solutions.

NVIDIA Quadro is the world's most advanced and trusted graphics accelerator of professional workflows.



### 3. PNY OFFERS PRODUCTS THAT ARE USED IN MANY GOVERNMENT AND PUBLIC SECTORS

Whether it's for CAD, Computation, Artificial Intelligence, Virtual Reality or even Scientific Visualization, our professional graphics solutions are certified on over 100+ industry leading applications and can be found supporting all levels of government and public sectors:

- AVIATION
- DEFENSE/MILITARY
- GOVERNMENT AGENCIES
- INTELLIGENCE
- MEDICAL
- UNIVERSITY RESEARCH

### 4. PNY OFFERS QUADRO GP100 FOR SUPERCOMPUTING, CAE AND DEEP LEARNING (AI)

## NVIDIA QUADRO GP100

The NVIDIA Quadro GP100, powered by NVIDIA's Pascal GPU architecture, is equipped with the most advanced visualization and simulation capabilities to meet the needs of the most demanding professional workflows.

Combining both high compute and graphics performance on a single board, the GP100 is the perfect upgrade to existing Tesla K40C and Quadro K6000 installations.

To learn about the Features and Benefits of the GP100 compared to the Tesla K40C or the K6000, **FLIP OVER THE PAGE AND CHECK OUT THE TABLE.**



\* Quadro Specialty skus do not qualify for discount.

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	TESLA K40C	QUADRO K6000	QUADRO GP100	BENEFIT
<b>GPU ARCHITECTURE</b>	KEPLER (GEN -2)	KEPLER (GEN -2)	PASCAL	NVIDIA'S LATEST GPU ARCHITECTURE
<b>CUDA CORES</b>	2880	2880	3584	FASTER RENDERING AND COMPUTE PERFORMANCE
<b>FP64 PERFORMANCE</b>	1.7 TFLOPS	1.7 TFLOPS	5.2 TFLOPS	206% GREATER FP64 COMPUTE PERFORMANCE
<b>FP32 PERFORMANCE</b>	4.29 TFLOPS	4.29 TFLOPS	10.3 TFLOPS	140% BETTER FP32 COMPUTE PERFORMANCE
<b>FP16 PERFORMANCE</b>	NONE	NONE	20.7 TFLOPS	REQUIRED FOR DEEP LEARNING (AI)
<b>INT8 PERFORMANCE</b>	NONE	NONE	47 TOPS	OPTIMIZES NEURAL NETWORK (AI) INFERENCE
<b>MEMORY SIZE</b>	12 GB GDDR5 ECC	12 GB GDDR5 ECC	16 GB HBM2 ECC	NEXT GENERATION MEMORY TECHNOLOGY
<b>ECC MEMORY OVERHEAD</b>	6.25% (11.25 GB AVAILABLE)	6.25% (11.25 GB AVAILABLE)	NONE, 16 GB AVAILABLE	NO ECC CAPACITY OR PERFORMANCE HIT
<b>MEMORY BUS WIDTH</b>	384-BIT	384-BIT	4096-BIT	RADICALLY ADVANCED MEMORY BUS IMPLEMENTATION
<b>PEAK MEMORY BANDWIDTH</b>	288 GB/S	288 GB/S	717 GB/S	MOVE DATA TO AND FROM 149% GPU FASTER
<b>DISPLAY SUPPORT</b>	NONE	2X DP 1.2 + 2X DVI DL	4X DP 1.4 + 1X DVI-D DL	SUPPORTS FOUR 5K OR MULTIPLE 8K DISPLAYS
<b>HDR IMAGE SUPPORT</b>	NO	NO	YES	MORE LIFELIKE IMAGES
<b>VR READY</b>	NO	NO	YES	PERFORMANCE AND FEATURES TO DRIVE VR EXPERIENCES
<b>BOARD POWER</b>	225 W	225 W	235 W	MUCH HIGHER PERFORMANCE AT SIMILAR POWER
<b>AUXILIARY POWER CONNECTOR</b>	2X 6-PIN PCIE	2X 6-PIN PCIE	8-PIN PCIE	SIMPLIFIED POWER SUPPLY CONNECTIVITY
<b>FORM FACTOR</b>	4.376" H X 10.5" L DUAL SLOT	4.376" H X 10.5" L DUAL SLOT	4.4" H X 10.5" L DUAL SLOT	NO SIGNIFICANT MECHANICAL CHANGES

**HAVE QUESTIONS ON THE NEW NVIDIA QUADRO GP100?**

CONTACT YOUR **PNY ACCOUNT MANAGER** OR EMAIL: [GOPNY@PNY.COM](mailto:GOPNY@PNY.COM)

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