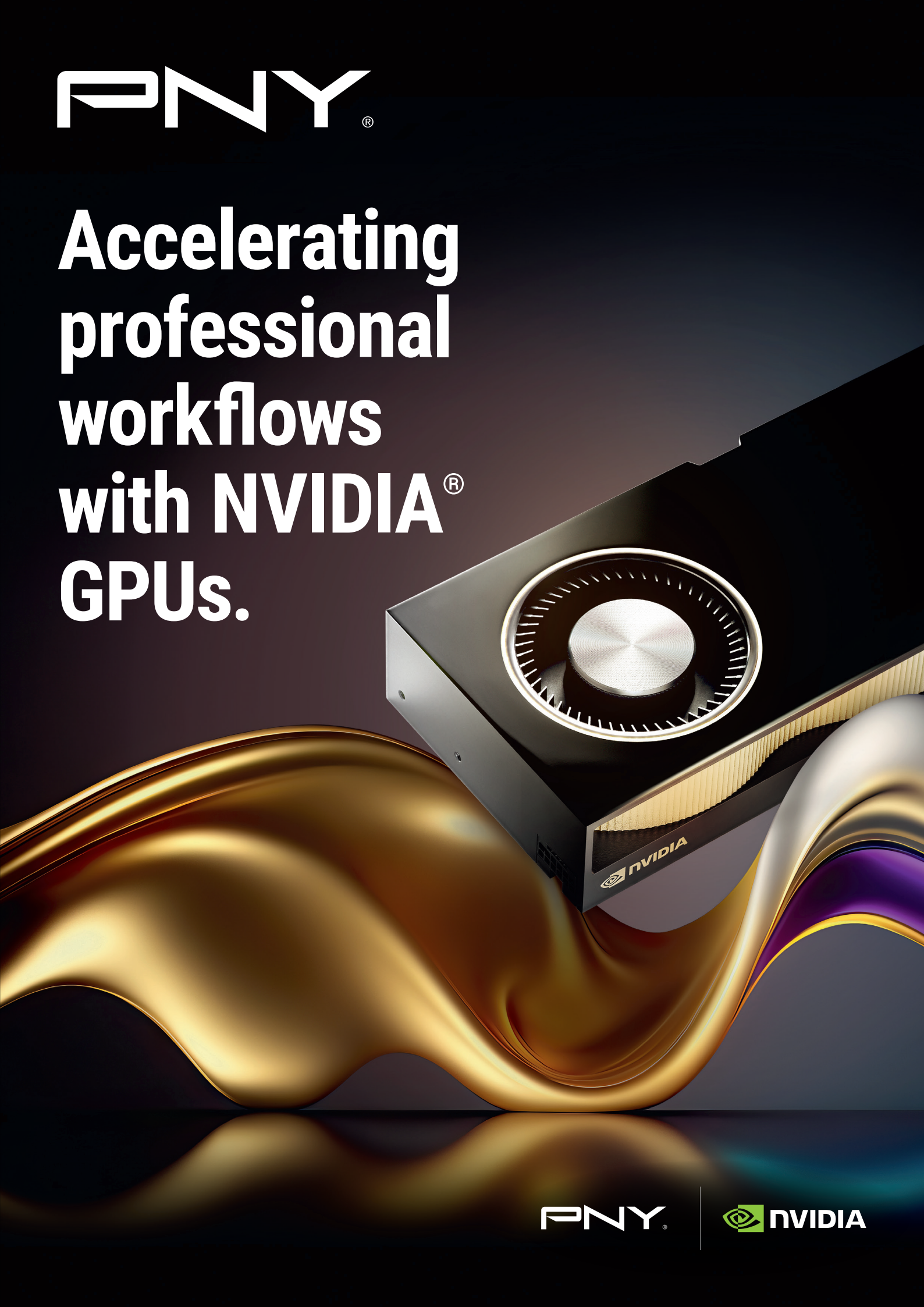
PNY®

Accelerating professional workflows with NVIDIA® GPUs.



PNY® | NVIDIA

WHICH PNY PROFESSIONAL BOARD IS RIGHT

		GPU SPECIFICATIONS			PERFORMANCE	
	Part Number	CUDA Cores[1]	GPU Memory	Memory Bandwidth	Tensor Cores[1]	Ray Tracing Cores[1]
NVIDIA FOR DESKTOP WORKSTATIONS						
NVIDIA RTX PRO 6000 Blackwell Workstation Edition	VCNRTXPRO6000-PB	24064	96GB	1792GB/s	752	188
NVIDIA RTX PRO 6000 Blackwell Max-Q Workstation Edition	VCNRTXPRO6000MQ-PB	24064	96GB	1792GB/s	752	188
NVIDIA RTX PRO 5000 72GB Blackwell	VCNRTXPRO5000-72-PB	14080	72GB	1344GB/s	440	110
NVIDIA RTX PRO 5000 Blackwell	VCNRTXPRO5000-PB	14080	48GB	1344GB/s	440	110
NVIDIA RTX PRO 4500 Blackwell	VCNRTXPRO4500-PB	10496	32GB	896GB/s	328	82
NVIDIA RTX PRO 4000 Blackwell	VCNRTXPRO4000-PB	8960	24GB	672GB/s	280	70
NVIDIA RTX PRO 4000 SFF Blackwell	VCNRTXPRO4000LP-PB	8960	24GB	432GB/s	192	70
NVIDIA RTX PRO 2000 Blackwell	VCNRTXPRO2000-PB	4352	16GB	288GB/s	128	34
NVIDIA RTX A1000	VCNRTXA1000-PB	2304	8GB	192GB/s	72	18
NVIDIA RTX A400	VCNRTXA400-PB	768	4GB	96GB/s	24	6
NVIDIA FOR DATA CENTERS						
NVIDIA H200 NVL	TCSH200NVLPCIE-PB	16896	141GB	4800GB/s	528	-
NVIDIA RTX PRO 6000 Blackwell Server Edition	TCSRTXPRO6000SE-PB	24064	96GB	1597GB/s	752	188
NVIDIA RTX PRO 4500 Blackwell Server Edition	TCSRTXPRO4500SE-PB	10496	32GB	800GB/s	328	82
NVIDIA L40S	TCSL40SPCIE-PB	18176	48GB	864GB/s	568	142
NVIDIA L4	TCSL4PCIE-PB	7680	24GB	300GB/s	240	60
NVIDIA FOR DOUBLE-PRECISION						
NVIDIA A800 40GB Active	VCNA800-SB	6912	40GB	1506GB/s	432	-

1. Processing cores cannot be compared between GPU generations due to several important architectural differences that exist between designs.
2. Adapters available for HDMI.
3. NVIDIA RTX PRO SYNC required

FOR YOU?

	DISPLAY TECHNOLOGY							OPTIONS				
FloatingPoint Performance (Tflops)	DisplayPort [2]	Maximum Active Displays	Maximum Resolution Support @ 60 Hz	FSAA (Maximum)	Dimensions (mm)	Mosaic Technology	Maximum Power Consumption	AV1 Encode and Decode Engines	Vulkan Support	GPUDirect™ for Video	Graphics Syncronization[3]	NVLink Bridge support
126,0	4	4	15360x8460	64x	137 x 305	√	600W	√	√	√	√	-
110,1	4	4	15360x8460	64x	112 x 267	√	300W	√	√	√	√	-
66,94	4	4	15360x8460	64x	112 x 267	√	300W	√	√	√	√	-
66,94	4	4	15360x8460	64x	112 x 267	√	300W	√	√	√	√	-
54,94	4	4	15360x8460	64x	112 x 267	√	200W	√	√	√	√	-
46,90	4	4	15360x8460	64x	112 x 241	√	140W	√	√	√	√	-
23.96	4	4	15360x8460	64x	69 x170	√	70W	√	√	√	√	-
16.97	4	4	15360x8460	64x	69 x170	√	70W	√	√	√	-	-
6,7 SP	4	4	7680x4320	64x	69 x 164	√	50W	√	√	√	-	-
2,7 SP	4	4	7680x4320	64x	69 x 164	√	50W	√	√	√	-	-
34 DP 67 SP	-	-	-	-	112 x 267	-	600W	-	-	-	-	√
126,0	4	4	15360x8460	64x	137 x 305	√	600W	√	√	√	√	-
51	-	-	-	-	119x267	-	165W	√	√	√	√	-
91,6 SP	4	4	7680x4320	64x	112 x 267	√	350W	√	√	√	√	-
30,3 SP	-	-	-	-	69 x 170	-	72W	-	-	-	-	-
9,7 DP 19,5 SP	-	-	-	-	112 x 267	-	240W	-	√	√	-	√

FOR MORE INFORMATION ON NVIDIA WORKSTATION PRODUCTS:
Visit: **WWW.NVIDIA.COM/EN-US/PRODUCTS/WORKSTATIONS** & **WWW.PNY.EU**

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BENEFITS OF PROFESSIONAL GRAPHICS



NVIDIA Blackwell Architecture

BREAKING BARRIERS IN ACCELERATED COMPUTING AND GENERATIVE AI

Delivered application performance is more than raw flops. Computational professionals depend on mission critical applications to accelerate discoveries and insights at scale. It starts with the world's fastest accelerators and includes a reliable infrastructure, the ability to monitor and manage that infrastructure, and the ability to quickly move data where it is needed. The NVIDIA Accelerated Computing Platform provides all of these to deliver unprecedented performance in scientific, analytics, engineering, consumer, and enterprise applications.

Differentiated Engineering:

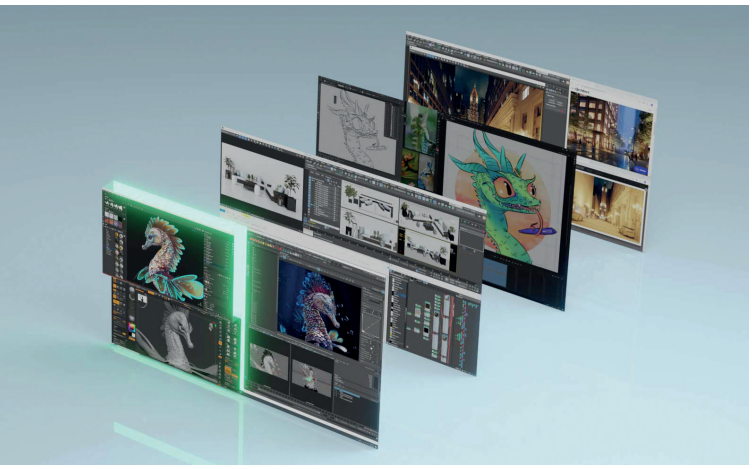
Low Operating Voltage for Long Term. Reliability.
Large Guard-Band for Guaranteed Quality.
Error Correction Code (ECC) for Data Integrity.

Extensive Qualification & Testing:

Long Burn-in-Testing.
Zero Error Tolerance at Aggressive Clocks.
Result: 5% of GPUs screened out.
Guaranteed Quality.

Enterprise Tools:

Simplify Data Center Operations.
Manage and Monitor GPUs.
System Diagnostics, GPU recovery, RMA diagnostics.
GPU Cluster Management.



Performance:

Application specific feature development & tuning.
Driver optimizations to maximize GPU features.
Unique features to support pro workflows.
IT tools for easy deployment & management.

Reliability:

Application specific testing by NVIDIA.
100+ professional application certifications by ISVs.
Unique rock-solid driver with deterministic release schedule.
Designed and built by NVIDIA to a single specification for 24/7 reliability and stability.

Support:

Deep workflow experience across vertical industries.
Long-Life Cycle availability and support.
Bulk availability for large Enterprise.
Global technical pre-sales and post-sales support.

NVIDIA RTX™ Platform

MOST POWERFUL VISUAL COMPUTING

The term "professional workstation" implies many things to many people. However, it usually translates to expectations of high quality, excellent reliability, responsive support, and high performance. The NVIDIA professional series is built to provide this high level of quality and reliability.

NVIDIA RTX™ Application Value-add:

Solidworks Realview.
3ds Max Shade.
Solidworks Visualize.
PTC Creo OIT.
Solidworks Ambient Occlusion.
Catia Live Rendering.

NVIDIA RTX™ Unique Features:

Large memory with ECC.
NVIDIA RTX Desktop Manager.
GPU direct for Video.
Higher Level of FSAA (64x).
Multi-GPU.
Enterprise IT Tools.
Iray Server Streaming.
Quad Buffered Stereo.
Mosaic.
Warp & Blend.
Bezel Correction & Overlap.
Genlock & Framelock.

PNY.QUADRO-SELECTOR.COM

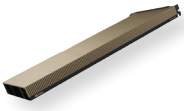
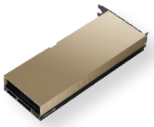
FIND THE RIGHT NVIDIA GRAPHICS SOLUTION ON THE PNY ONLINE CONFIGURATOR



NVIDIA Data Center GPUs

BY PNY

HIGH-PERFORMANCE COMPUTING		HIGHLIGHTS	IDEAL FOR
	**NVIDIA H200 NVL** **TCSH200NVLPCIE-PB**	FP64 34 TFLOPS FP64 Tensor Core 67 TFLOPS MIG Instance GPU NVLink 600 GB/s	HPC Deep Learning, Machine Learning, Training, Data Analytics

PROFESSIONAL VIRTUALIZATION		HIGHLIGHTS	IDEAL FOR
	**NVIDIA RTX PRO™ 6000 Server Edition** **TCSRTXPRO6000SE-PB**	FP32 126 TFLOPS 4x DispalyPort 2.1b	HPC Rendering, Deep Learning, Machine Learning, Training, Inferencing, Graphics / Rendering / VDI, Virtual Desktop Integration
	**NVIDIA RTX PRO™ 4500 Server Edition** **TCSRTXPRO4500SE-PB**	FP32: 51 TFLOPS Single-slot card	Data Processing & Data Science, Video Streaming, AI Video, Graphics / Rendering / VDI, Inference < 20B Parameters
	**NVIDIA L40S** **TCSL40SPCIE-PB**	FP32: 91.6 TFLOPS 4 x DisplayPort 1.4a	Inference, Training, Graphics / Video workflows, Video applications

VIRTUAL DESKTOP INTEGRATION - INFERENCING		HIGHLIGHTS	IDEAL FOR
	**NVIDIA L4** **TCSL4PCIE-PB**	FP32 30.3 TFLOPS INT 8 485 TOPS Max. Power 72W Low Profile Form Factor	HPC, Inferencing Virtual Desktop Integration Designer / Engineer / Power User

NVIDIA Workstation GPUs

BY PNY

ULTRA HIGH-END		PACKAGE CONTENT	IDEAL FOR
	**NVIDIA RTX™ PRO 6000 Workstation Edition** **VCNRTXPRO6000-PB**	1 × Quick Start Guide 1 x Dual 8-pin to CEM5 16-pin	Artificial Intelligence Animation - Visualization Broadcast - Video Editing Oil & Gas Medical Imaging
	**NVIDIA RTX™ PRO 6000 Max-Q Workstation Edition** **VCNRTXPRO6000MQ-PB**	1 × Quick Start Guide 1 x Dual 8-pin to CEM5 16-pin	Artificial Intelligence Animation - Visualization Broadcast - Video Editing Oil & Gas Medical Imaging

HIGH-END		PACKAGE CONTENT	IDEAL FOR
	**NVIDIA RTX™ PRO 5000 72GB** **VCNRTXPRO5000-72-PB** **NVIDIA RTX™ PRO 5000** **VCNRTXPRO5000-PB**	1 × Quick Start Guide 1 x Dual 8-pin to CEM5 16-pin	Animation - Visualization Broadcast - Video Editing Design Manufacturing – large models Medical Imaging
	**NVIDIA RTX™ PRO 4500** **VCNRTXPRO4500-PB**	1 × Quick Start Guide 1 x Dual 8-pin to CEM5 16-pin	Animation - Visualization Broadcast - Video Editing Design Manufacturing – large models Medical Imaging
	**NVIDIA RTX™ PRO 4000** **VCNRTXPRO4000-PB**	1 × Quick Start Guide 1 x 8-pin to CEM5 16-pin	Animation - Visualization Broadcast - Video Editing Design Manufacturing – large models Medical Imaging

MID-RANGE		PACKAGE CONTENT	IDEAL FOR
	**NVIDIA RTX™ A1000** **VCNRTXA1000-PB**	4 × mDP to DP adapter 1 × Quick Start Guide 1 x unattached LP Bracket	Animation Video Editing Manufacturing – medium models

ENTRY-LEVEL		PACKAGE CONTENT	IDEAL FOR
	**NVIDIA RTX™ A400** **VCNRTXA400-PB**	4 × mDP to DP adapter 1 × Quick Start Guide 1 × unattached LP Bracket	Manufacturing – volume CAD

DEDICATED TO LOW POWER SYSTEMS		PACKAGE CONTENT	POWER LIMIT
	**NVIDIA RTX™ A1000** **VCNRTXA1000-PL**	1 x unattached LP Bracket	Power Limit 35W
	**NVIDIA RTX™ A400** **VCNRTXA400-PL**	1 × unattached LP Bracket	Power Limit 30W

DOUBLE-PRECISION		PACKAGE CONTENT	KEY FEATURES
	**NVIDIA A800 40GB Active** **VCNA800-PB**	1 × Quick Start Guide 1 x 8-pin CPU to CEM5 16-pin 1 x Dual 8-pin to CEM5 16-pin	3 years license NVIDIA AI Enterprise Calculation Double-precision (FP64) NVIDIA® NVLink™ Training and inference performance

WHICH PNY PROFESSIONAL BOARD TO USE FOR YOUR APPLICATION?

Should I use a Professional Graphics Card?

PNY offers a suite of professional solutions that enable designers, manufacturers, scientists and researchers to do their work smarter, faster, with greater reliability and with energy efficiency. If you answer one or more of the below questions with yes we recommend to use professional NVIDIA cards.

Does your work involve creating, rendering, or visualizing data and images?

NVIDIA's professional cards are fully compatible, tested & certified on all your professional applications for more performance & reliability.

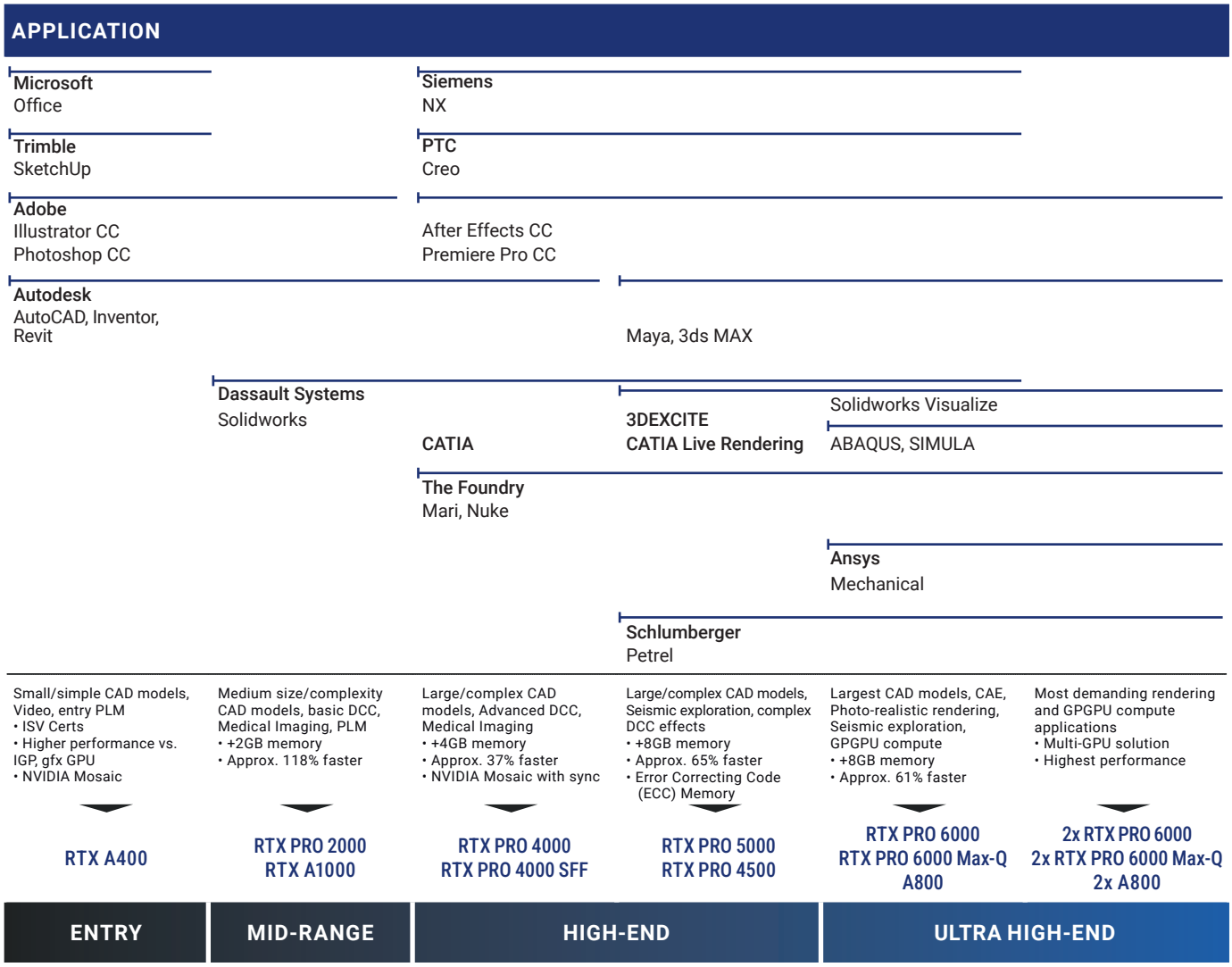
Is hardware reliability important?

Time spent troubleshooting is lost time for your creativity. NVIDIA professional graphics cards are designed for 24/7 operation with pro support.

Do you prefer long availability for your hardware?

Professional NVIDIA cards are usually available for 3 or more years while gaming cards often have a lifetime below 6 months.

Which NVIDIA for my application?



FOR DISCOVERING ALL OUR RECOMMENDATIONS:
Please visit our **PNY ONLINE CONFIGURATOR** on:
HTTPS://PNY.QUADRO-SELECTOR.COM



WWW.PNY.EU

> PNY maximizes your NVIDIA Graphics Cards potential with an exceptional support.

COMPATIBILITY & SUPPORT

FOR ALL WORKSTATION BRANDS

PNY Warranty Extension Service

- To better protect your investment, PNY offers a comprehensive extended 5-Year warranty to your NVIDIA® card from PNY®.

Main Features

- Additional 2-Year Extended Warranty Service for your NVIDIA® card by PNY®.
- Advanced Product Replacement (for European Union countries, Norway and Switzerland).

PNY ADVANTAGE

- 3-Year standard warranty
- Pre-sales support and system configuration assistance
- Dedicated Field Application Engineers
- Direct access to technical support hotlines
- Support escalation for prompt issue resolution
- Certified software support and bug reporting
- Published product support and training materials
- Advanced replacement options for mission-critical deployments
- Long product life cycles and availability
- Loyalty partner channel programs

PNY Technologies Europe
Zac du Phare
9 rue Joseph Cugnot - BP 40181
33708 Mérignac Cedex, France
Tel: +33 (0)5 40 240 240
CONTACT US
SALES@PNY.EU

PNY Technologies QUADRO® GmbH
Schumanstraße 18a
52146 Würselen
Germany
Tel: +49 (0)240 540 848-0
CONTACT US
VERTRIEB@PNY.EU

PNY Technologies LTD
400 Capability Green
Luton
LU1 3AE
United Kingdom
CONTACT US
QUADROUK@PNY.EU