

ACCELERATE SOLIDWORKS DESIGN AND MANUFACTURING WORKFLOWS, WHERE AND WHEN YOU NEED IT

Experience better and faster results across all your SOLIDWORKS projects, with PREVAILPRO Mobile Workstations from PNY. PREVAILPRO enables you to optimize your workflow using NVIDIA Quadro Pascal™ GPU acceleration throughout SOLIDWORKS, providing smoother, more realistic performance in every design mode, rendering physically accurate materials, while enabling immersive, collaborative VR design reviews.

ISV certified for SOLIDWORKS, PREVAILPRO mobile workstations deliver a fluid and interactive design experience across all viewing modes, letting you more efficiently experiment with and evaluate design alternatives, leading to shorter product development cycles and better product offerings.

SUPERIOR REALTIME PHOTOREALISTIC RENDERING

PREVAILPRO mobile workstations powering SOLIDWORKS and SOLIDWORKS VISUALIZE Professional allow you to interactively visualize design changes across your workflow with the confidence that you are seeing lifelike, photorealistic virtual products on ultra high resolution 4K displays. Accurately seeing products in photorealistic quality as early in the development pipeline as possible is critical to your success.

POWERED BY NVIDIA QUADRO PROFESSIONAL GPUs

NVIDIA Quadro P4000 or P3000 GPU, an Intel Core i7 7700 HQ processor, up to 32GB of DRAM, a total of 2.5 TB mass storage, along with a comprehensive array of USB, Ethernet, WiFi, Bluetooth, audio, and media reader ports, provide everything required to fully realize your potential with SOLIDWORKS—all in an ultra thin and light mobile workstation.

EXTREME PERFORMANCE

NVIDIA Pascal architecture delivers better visualization and compute performance than the previous generation of Quadro products.

FASTER DATA

Quadro Pascal supports GDDR5, the latest high performance graphics memory technology that provides significantly more memory bandwidth than previous generation technology.

ADVANCED GPU FEATURES

VR specific features (P4000) significantly improve VR performance, enabling the most detailed life-like VR experience possible. Enhanced workload balancing improves graphics and compute interoperability.



QUADRO P3000 MOBILE GPU

1280 CUDA Cores
6GB GDDR5

QUADRO P4000 MOBILE GPU

1792 CUDA Cores
8GB GDDR5

EXPAND YOUR VISUAL WORKSPACE

Expand your visual workspace with up to 3 external 4K UHD displays (3840 x 2160 at 60Hz) with HDR color support that lets you view your creations in stunningly life like and vivid detail.



THIN & LIGHT DESIGN

Carry your mobile workstation with ease, the ultra-low profile design is only 0.73" thick (18mm) and only weighs 4.8 lbs (2.2kg).



SEVENTH GENERATION INTEL i7 PROCESSOR

The Intel® Core™ i7 7700 HQ runs multiple CPU-intensive applications simultaneously while delivering the performance and interactivity you require.

0.73" | **4.8** lbs

	P3000 BASE	P3000 UPGRADED PRO	P4000 UPGRADED PRO (VR-READY)
PART NUMBER	MWS-P3B-ENUSP1-PB	MWS-P3P-ENUSP-PB	MWS-P4P-ENUSP-PB
WARRANTY	1-Year Limited*	3-Year Limited*	3-Year Limited*
MEMORY	16GB (2 × 8GB) DDR4 2400MHz SODIMM	32GB (2 × 16GB) DDR4 2400MHz SODIMM	32GB (2 × 16GB) DDR4 2400MHz SODIMM
PRIMARY STORAGE	128GB M.2 2280 PCIe (Gen. 3×4) NVMe SSD	512GB M.2 2280 PCIe (Gen. 3×4) NVMe SSD	512GB M.2 2280 PCIe (Gen. 3×4) NVMe SSD
SECONDARY STORAGE	1TB 2.5" Hard Disk Drive	2TB 2.5" Hard Disk Drive	2TB 2.5" Hard Disk Drive
DISPLAY	15.6" FHD (1920 × 1080)	15.6" UHD (3840 × 2160)	15.6" UHD (3840 × 2160)
ASPECT RATIO	16:9 Panel		
PROCESSOR	Intel® Core™ i7-7700 HQ processor		
PROCESSOR SPEED	2.8GHz Base (Boost Up to 3.8GHz)		
PROCESSOR CACHE	6MB Smart Cache		
CORE LOGIC	Mobile Intel® HM175 Express Chipset		
MEMORY	<ul style="list-style-type: none"> • Dual channel DDR4, supports up to 2400MHz • Two 260 pin SODIMM sockets • Expandable memory from 16GB to 32GB 		
PROFESSIONAL GPU	NVIDIA Quadro Mobile P3000 <ul style="list-style-type: none"> • 6GB GDDR5 GPU Memory • OpenGL 4.5 • DirectX® 12 • Vulkan compatible • CUDA™, OpenCL, Direct Compute compatible Microsoft Hybrid Graphics Mode <ul style="list-style-type: none"> • Supports 4 active displays 	NVIDIA Quadro Mobile P4000 <ul style="list-style-type: none"> • 8GB GDDR5 GPU Memory • OpenGL 4.5 • DirectX® 12 • Vulkan compatible • NVIDIA VRWorks™ • CUDA™, OpenCL, Direct Compute compatible Microsoft Hybrid Graphics Mode <ul style="list-style-type: none"> • Supports 4 active displays 	

FEATURES

KEYBOARD & POINTING DEVICE

- English full size keyboard and numeric keypad with LED backlighting
- Touchpad with built in TPM fingerprint sensor

AUDIO

SOUND BLASTER® X-Fi® MB5

- High Definition Audio
- S/PDIF digital output
- Built in array microphone
- Built in dual speakers
- ANSP™ 3D sound technology on headphone output

I/O PORTS

LEFT:

- Security lock slot
- DC power connector
- HDMI™ 2.0 with HDCP
- 2× Mini DisplayPort 1.3 ports
- 2× Type-C USB 3.1 Gen 2 ports
- 2× USB 3.1 Gen 1 ports

RIGHT:

- 3.5mm 2-in-1 Audio Jack (Microphone S/PDIF optical output)
- USB 3.1 Gen 1 port
- 6-in-1 Card Reader
- RJ-45 LAN port

CARD READER

6-in-1 Card Reader Supports:

- SD / mini SD / SDHC / SDXC up to UHS-II

ADDITIONAL FEATURES:

BIOS

- 64Mb SPI Flash ROM
- AMI BIOS

POWER MANAGEMENT

- ACPI v5.0, Suspend to RAM (S3)
- Suspend to disk (S4)
- Soft off (S5)
- Battery low suspend, Wake on LAN (S5)
- Wake on USB (S3)
- Wake on RTC alarm (S4)

LED INDICATORS

Power/Status, Battery, HDD, Airplane Mode, Camera

CERTIFICATES

FCC Class B, CE, cTUVus, TUV, CB, RoHS

ENVIRONMENTAL SPECIFICATIONS

Temperature:

- Operating: 5°C ~ 35°C
- Non-Operating: -20°C ~ 60°C

Relative Humidity:

- Operating: 20% ~ 80%
- Non-Operating: 10% ~ 90%

COMMUNICATION

- Built-in 10/100/1000 BASE-T Ethernet
- Intel® Dual Band Wireless-AC 8265, 2 × 2 AC + BT 4.2 M.2 2230 (Windstorm Peak)

WEB CAM

2.0MP FHD video camera

POWER SUPPLY

Full Range AC adapter, AC in 100~240V, 50~60Hz, DC output 19.5V, 7.7A, 150W

BATTERY

Embedded 4 cell Li-Polymer battery pack, 55WH; Battery life: 300 minutes (with UMA mode, 55WH battery)

SECURITY

- Kensington® Lock Slot
- Secure Touchpad with TPM 2.0 fingerprint scanner

OS SUPPORT

Windows® 10 Pro 64-bit

LAPTOP DIMENSIONS

14.96" × 9.8" × 0.73"
(380mm x 248mm x 18mm)

WEIGHT

4.8 lbs. (2.2kg)

CERTIFIED BY

 **SOLIDWORKS**

WWW.PNY.COM/PREAVILPRO

For more information, contact a PNY account manager at 1-888-333-3657 or email: GOPNY@PNY.COM

Visit www.pny.com/mws-warranty for warranty details.

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