

## 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

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

**ADDITIONAL FEATURES:**

<b>BIOS</b>	<ul style="list-style-type: none"> <li>• 64Mb SPI Flash ROM</li> <li>• AMI BIOS</li> </ul>
<b>POWER MANAGEMENT</b>	<ul style="list-style-type: none"> <li>• ACPI v5.0, Suspend to RAM (S3)</li> <li>• Suspend to disk (S4)</li> <li>• Soft off (S5)</li> <li>• Battery low suspend, Wake on LAN (S5)</li> <li>• Wake on USB (S3)</li> <li>• Wake on RTC alarm (S4)</li> </ul>
<b>LED INDICATORS</b>	Power/Status, Battery, HDD, Airplane Mode, Camera
<b>CERTIFICATES</b>	FCC Class B, CE, cTUVus, TUV, CB, RoHS
<b>ENVIRONMENTAL SPECIFICATIONS</b>	
<b>Temperature:</b>	<ul style="list-style-type: none"> <li>• Operating: 5°C ~ 35°C</li> <li>• Non-Operating: -20°C ~ 60°C</li> </ul>
<b>Relative Humidity:</b>	<ul style="list-style-type: none"> <li>• Operating: 20% ~ 80%</li> <li>• Non-Operating: 10% ~ 90%</li> </ul>

<b>COMMUNICATION</b>	<ul style="list-style-type: none"> <li>• Built-in 10/100/1000 BASE-T Ethernet</li> <li>• Intel® Dual Band Wireless-AC 8265, 2 × 2 AC + BT 4.2 M.2 2230 (Windstorm Peak)</li> </ul>
<b>WEB CAM</b>	2.0MP FHD video camera
<b>POWER SUPPLY</b>	Full Range AC adapter, AC in 100~240V, 50~60Hz, DC output 19.5V, 7.7A, 150W
<b>BATTERY</b>	Embedded 4 cell Li-Polymer battery pack, 55WH; Battery life: 300 minutes (with UMA mode, 55WH battery)
<b>SECURITY</b>	<ul style="list-style-type: none"> <li>• Kensington® Lock Slot</li> <li>• Secure Touchpad with TPM 2.0 fingerprint scanner</li> </ul>
<b>OS SUPPORT</b>	Windows® 10 Pro 64-bit
<b>LAPTOP DIMENSIONS</b>	14.96" × 9.8" × 0.73" (380mm x 248mm x 18mm)
<b>WEIGHT</b>	4.8 lbs. (2.2kg)

**FEATURES**

<b>KEYBOARD &amp; POINTING DEVICE</b>	<ul style="list-style-type: none"> <li>• English full size keyboard and numeric keypad with LED backlighting</li> <li>• Touchpad with built in TPM fingerprint sensor</li> </ul>
<b>AUDIO</b>	<b>SOUND BLASTER® X-Fi® MB5</b> <ul style="list-style-type: none"> <li>• High Definition Audio</li> <li>• S/PDIF digital output</li> <li>• Built in array microphone</li> <li>• Built in dual speakers</li> <li>• ANSP™ 3D sound technology on headphone output</li> </ul>
<b>I/O PORTS</b>	<b>LEFT:</b> <ul style="list-style-type: none"> <li>• Security lock slot</li> <li>• DC power connector</li> <li>• HDMI™ 2.0 with HDCP</li> <li>• 2× Mini DisplayPort 1.3 ports</li> <li>• 2× Type-C USB 3.1 Gen 2 ports</li> <li>• 2× USB 3.1 Gen 1 ports</li> </ul> <b>RIGHT:</b> <ul style="list-style-type: none"> <li>• 3.5mm 2-in-1 Audio Jack (Microphone S/PDIF optical output)</li> <li>• USB 3.1 Gen 1 port</li> <li>• 6-in-1 Card Reader</li> <li>• RJ-45 LAN port</li> </ul>
<b>CARD READER</b>	<b>6-in-1 Card Reader Supports:</b> <ul style="list-style-type: none"> <li>• SD / mini SD / SDHC / SDXC up to UHS-II</li> </ul>

**CERTIFIED BY**



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

Visit [www.pny.com/mws-warranty](http://www.pny.com/mws-warranty) for warranty details.

PNY Technologies, Inc. 100 Jefferson Road, Parsippany, NJ 07054 | Tel 973-515-9700 | Fax 973-560-5590 | [WWW.PNY.COM/PNYPRO](http://WWW.PNY.COM/PNYPRO)

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