

# PNY®

# PREVAILPRO

## MOBILE WORKSTATION

**PRO PERFORMANCE. ANYTIME. ANYWHERE.**

PNY PREVAILPRO P4000 Upgraded PRO Web Copy

PREVAILPRO P4000

PREVAILPRO P4000 MAX-Q Design Upgraded PRO  
Part No. MWS-P4P-ENUSP-PB

PRO PERFORMANCE. ANYTIME. ANYWHERE.

Until now, mobile workstations really weren't very mobile and simply couldn't keep pace with desktop offerings. PNY's thin and light PREVAILPRO P4000 series resets expectations by delivering the ability to interactively work with large and complex models or scenes, drive up to four 4K UHD displays simultaneously, generate stunningly realistic and immersive professional VR environments, or product photorealistic renders on the road, without straining shoulders or breaking budgets – all with unmatched NVIDIA Quadro performance, features and ISV compatibility.

This configuration is based on the Quadro P4000 GPU with 1792 CUDA cores and 8GB of GDDR5 GPU memory. Capable of delivering up to 4.4 TFLOPS of FP32 performance, the P4000 easily powers today's most sophisticated Manufacturing, DCC, M&E or Scientific and Technical applications. This system fully implements NVIDIA's innovative and transformational Max-Q Design standards for thin and light mobile workstations and never exceeds 40db – even when running under full load. Complemented by an Intel Core i7-7700HQ processor running at 2.8GHz and the Mobile Intel HM175 Express Chipset, a balanced system architecture suitable for any mobile use case is realized. 32GB of high performance DDR4 2400MHz SODIMM memory provides room for application data, while a 512GB M.2 PCIe NVMe SSD and a 2TB 2.5" HDD provides extraordinarily generous storage. The built-in 16:9 aspect ratio 15.6" UHD (3840 x 2160) display provides superb clarity and vivid color.

A full complement of I/O ports, including HDMI 2.0, 2x mDP 1.3, 3x USB 3.1 Gen 1, 2x USB 3.1 Gen 2 Type-C, 1000BASE-T Ethernet, Wi-Fi, Bluetooth, audio input and output and a versatile media card reader are all provided. A full size English keyboard and numeric keypad, both with LED backlighting, and a touchpad with a built in fingerprint sensor deliver superior ergonomics and security.

Weighing only 4.8 lbs. (2.2kg), with dimensions of 14.95" x 9.8" x 0.73" (380mm x 249mm x 18mm), this svelte system is fuelled by a 4 cell Li-Polymer 55WH battery pack good for up to 300 minutes in UMA mode. This system is optimized for and features Windows 10 Professional 64-bit.

PREVAIL**PRO** lets you experience the world's most powerful visual computing platform everywhere – for the ultimate in creative freedom. Whether you're developing revolutionary products, telling spectacularly vivid visual stories, designing transformational architecture, or creating the most lifelike, immersive virtual environments, PREVAIL**PRO** gives you the performance to do it brilliantly.

## FEATURES

- Powered by NVIDIA Quadro P4000 GPU with 8GB GDDR5 GPU memory
- Workstation-class performance in a mobile, thin and light design (0.73" thin, weighs 4.8 lbs)
- 15" VR-Ready mobile workstation
- Drives up to four 4K UHD displays simultaneously
- Intel Core i7-7700HQ, 32GB DRAM, 512GB SSD and 2TB secondary HDD

## SPECIFICATIONS

**Memory** 32GB (2x 16GB) DDR4 2400MHz SODIMM

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**Primary Storage** 512GB M.2 2280 PCIe  
(Gen.3 x4) NVMe SSD

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**Secondary Storage** 2TB 2.5" HDD

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**Display** 15.6" UHD (3840 x 2160)

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**Aspect Ratio** 16:9 Panel

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**Processor** Intel® Core™ i7-7700HQ processor

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**Processor Speed** 2.8GHz Base (Turbo up to 3.8GHz)

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**Processor Cache** 6MB Smart Cache

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**Core Logic**

Mobile Intel® HM175 Express Chipset

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**Memory**Dual channel DDR4, supports up to 2400MHz two 260 pin SODIMM sockets.  
Expandable memory from 16GB to 32GB

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**Professional GPU****NVIDIA Quadro P4000**  
8GB GDDR5 GPU Memory  
OpenGL 4.5  
DirectX® 12  
Vulkan  
NVIDIA VRWorks™  
CUDA™  
OpenCL  
Direct Compute compatible  
**Microsoft Hybrid Graphics mode**  
Supports 4 active displays

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**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

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**Keyboard and Pointing Device**

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

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**I/O Ports****Left:**  
Security lock slot  
DC power connector  
HDMI™ 2.0 with HDCP 2.0  
2x Mini DisplayPort 1.3  
2x Type-C USB 3.1 Gen 2 ports  
2x USB 3.1 Gen 1 ports  
**Right:**  
3.5mm Head phone jack  
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 1000BASE-T Ethernet port

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<b>Card Reader</b>	<b>6-in-1 Card reader supports</b> MMC / RSMMMC SD / mini SD / SDHC / SDXC up to UHS-II
<b>Communication</b>	Built in 10/100/1000Mb BASE-TX Ethernet LAN Intel® Dual Band Wireless-AC 8265, 2x2 AC + BT 4.2 M.2 2230 (Windstorm Peak)
<b>Web Cam</b>	2.0M 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>	Kensington® Lock Slot, Secure Touchpad with TPM 2.0 fingerprint scanner
<b>OS Support</b>	Windows® 10 Professional 64-bit License
<b>Laptop Dimension</b>	14.96" x 9.8" x 0.73" (380mm x 248mm x 18mm)
<b>Weight</b>	4.8 lbs. (2.2kg)
<b>BIOS</b>	64Mb SPI Flash ROM AMI BIOS

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**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)

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**LED Indicators** Power/Status, Battery, HDD, Airplane mode, Camera

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

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**Environmental Specifications**

**Temperature:**  
Operating: 5°C - 35°C  
Non-Operating: -20°C - 60°C

**Relative Humidity:**  
Operating: 20% - 80%  
Non-Operating: 10% -~ 90%

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**Warranty** 3-Year Limited

\*For more information about the warranty visit [www.pny.com/mws-warranty](http://www.pny.com/mws-warranty)