

ACCELERATING DESIGN AND MANUFACTURING WORKFLOWS

PREVAILPRO delivers the performance needed for design and manufacturing workflows, from initial concept to product release

- Mobile workstations take the latest CAD/CAE innovations out of cubicles and onto the factory floor – speeding development and production across the board.
- Quickly design, simulate and validate products and lower development costs by moving to an all-digital product development workflow.
- New CAE applications like ANSYS Discovery Live let PREVAILPRO replace traditional workstations.
- Mobile VR multi-user collaboration using Quadro GPUs is redefining how design reviews and remote collaboration take place.
- Quadro is certified by more than 100 leading CAD/CAE software vendors.

IDEAL FOR



DESIGN



SIMULATE



VALIDATE



COLLABORATE

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 technologies that provide 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

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.



QUADRO P4000 MOBILE GPU

1792 CUDA Cores

8GB GDDR5

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 7700HQ 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
PART NUMBER	MWS-P3B-ENUSP1-PB	MWS-P3P-ENUSP-PB	MWS-P4P-ENUSP-PB
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™ i7-7700HQ 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 	
WARRANTY	1-Year Limited*	3-Year Limited*	3-Year Limited*

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)

FEATURES

KEYBOARD & POINTING DEVICE

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

MAUDIO

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:

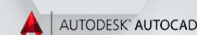
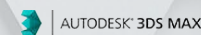
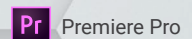
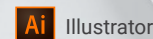
- 3.5mm 2-in-1 Audio Jack (Microphone S/PDIF optical output)
- USB 3.1 Gen 1 port
- 6-in-1 Card Reader
- RJ-45 LAN port

CARD READER

6-in-1 Card Reader Supports:

- MMC / RS PhotoShopPremiere ProAfter EffectsIllustrator MMC
- SD / mini SD / SDHC / SDXC up to UHS-II

CERTIFIED BY INDEPENDENT SOFTWARE VENDORS



Visit 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

Features and specifications subject to change without notice. The PNY logo is a registered trademark of PNY Technologies, Inc. All other trademarks are the property of their respective owners. © 2018 PNY Technologies, Inc. All rights reserved.

* Features and specifications subject to change without notice. Adobe certification applies to the P4000 and P3000 Graphics Processor.

WWW.PNY.COM/PNYPRO