

# DESIGNERS MEET PREVAILPRO

# **ACCELERATING DESIGN AND MANUFACTURING WORKFLOWS**

PREVAIL**PRO** 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.



# **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



## QUADRO P4000 MOBILE GPU

# 1792 cuda cores 8GB gddr5



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**

0.73 4.8

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).

The Intel<sup>®</sup> Core<sup>™</sup> i7 7700HQ runs multiple CPU-intensive applications simultaneously while delivering the perfomance and interactivity you require.

**SEVENTH GENERATION INTEL i7 PROCESSOR** 

	P3000 BASE	P3000 UPGRADED PRO	P4000 UPGRADED PRO	FEATURES
PART NUMBER	MWS-P3B-ENUSP1-PB	MWS-P3P-ENUSP-PB	MWS-P4P-ENUSP-PB	<b>KEYBOARD &amp; POINTING DEVICE</b>
MEMORY	16GB (2 × 8GB) DDR4 2400MHz SODIMM	32GB (2 × 16GB) DDR4 2400MHz SODIMM	32GB (2 × 16GB) DDR4 2400MHz SODIMM	<ul> <li>English full size keyboard and numeric keypad with LED backlighting</li> <li>Touchpad with built in TPM fingerprint sensor</li> </ul>
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 PCle (Gen. 3×4) NVMe SSD	MAUDIO
SECONDARY STORAGE	1TB 2.5″ Hard Disk Drive	2TB 2.5" Hard Disk Drive	2TB 2.5" Hard Disk Drive	SOUND BLASTER® X-FI® MB5 • High Definition Audio
DISPLAY	15.6″ FHD (1920 × 1080)	15.6″ UHD (3840 × 2160)	15.6" UHD (3840 × 2160)	<ul><li>S/PDIF digital output</li><li>Built in array microphone</li></ul>
ASPECT RATIO	16:9 Panel			<ul> <li>Built in dual speakers</li> <li>ANSP™ 3D sound technology on headphone</li> </ul>
PROCESSOR	Intel <sup>®</sup> Core <sup>™</sup> i7-7700H	IQ processor		output
PROCESSOR SPEED	2.8GHz Base (Boost Up to 3.8GHz)			I/O PORTS
PROCESSOR CACHE	6MB Smart Cache			LEFT:
CORE LOGIC	Mobile Intel <sup>®</sup> HM175 Express Chipset			Security lock slot
MEMORY	<ul> <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>			<ul> <li>DC power connector</li> <li>HDMI<sup>™</sup> 2.0 with HDCP</li> <li>2× Mini DisplayPort 1.3 ports</li> <li>2× Type-C USB 3.1 Gen 2 ports</li> </ul>
PROFESSIONAL GPU	NVIDIA Quadro Mobile P3000 • 6GB GDDR5 GPU Memory • OpenGL 4.5 • DirectX® 12 • Vulkan compatible • CUDA <sup>TM</sup> , OpenCL, Direct • Compute compatible Microsoft Hybrid Graphics Mode • Supports 4 active displays		NVIDIA Quadro Mobile P4000 • 8GB GDDR5 GPU Memory • OpenGL 4.5 • DirectX® 12 • Vulkan compatible • NVIDIA VRWorks™ • CUDA™, OpenCL, Direct • Compute compatible	<ul> <li>2× USB 3.1 Gen 1 ports</li> <li>RIGHT:</li> <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>
			Compute companyie     Microsoft Hybrid     Graphics Mode     Supports 4 active displays	CARD READER 6-in-1 Card Reader Supports: • MMC / RS PhotoShopPremiere ProAfter EffectsIllustrator MMC
WARRANTY	1-Year Limited*	3-Year Limited*	3-Year Limited*	• SD / mini SD / SDHC / SDXC up to UHS-II
ADDITIONAL FEATUR	ES:	COMMUNICAT	ION	CERTIFIED BY INDEPENDENT
BIUS		00/1000 BASE-T Ethernet	SOFTWARE VENDORS	
		and Wireless-AC 8265, 2 × 2 AC 2230 (Windstorm Peak)	Adaba	
ANI DIOS WEB CAM			Adobe	

- **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%

#### 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.

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,

## SECURITY

 Secure Touchpad with TPM 2.0 fingerprint scanner

#### **OS SUPPORT**

#### LAPTOP DIMENSIONS

## WEIGHT

4.8 lbs. (2.2kg)







SOLID EDGE

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

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

55WH; Battery life: 300 minutes (with UMA mode, 55WH battery)

- Kensington<sup>®</sup> Lock Slot

Windows® 10 Pro 64-bit

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