VIRTUAL REALITY IS RESHAPING THIS ENTIRE SEGMENT

PREVAIL**PRO** P4000 VR-Ready mobile workstations are an ideal solution for AEC professionals – from initial concept and design to construction sites

- Mobile workstation performance and capabilities let you take concepts and designs to clients, subcontractors or construction sites as necessary.
- Moving from traditional blueprints and physical models to a digital workflow becoming a competitive necessity across AEC.
- Immersive Virtual Reality (VR) provides the context and scale needed to fully understand and optimize designs or rapidly address on-site construction challenges.
- Photorealistic rendering reproduces the subtlest nuances of materials and lighting, shortening the design process, and allowing the exploration of more creative options.
- Leading AEC software vendors certify their solutions for Quadro-based systems.

IDEAL FOR

$ **COST REDUCTION**

VR

75% **RENDERING**

DESIGN

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

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 7700HQ runs multiple CPU-intensive applications simultaneously while delivering the perfomance 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	• Dual channel DDR4, supports up to 2400MHz • Two 260 pin SODIMM sockets • Expandable memory from 16GB to 32GB		
PROFESSIONAL GPU	**NVIDIA Quadro Mobile P3000** • 6GB GDDR5 GPU Memory • OpenGL 4.5 • DirectX® 12 • Vulkan compatible • CUDA™,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 **Microsoft Hybrid Graphics Mode** • 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
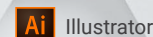• 2× Type-C USB 3.1 Gen 2 ports
• 2× USB 3.1 Gen 1 ports
RIGHT:
• 3.5mm 2-in-1 Audio Jack (Microphone S/PDIF optical output)
• USB 3.1 Gen 1 port
• 6-in-1 Card Reader
• RJ-45 LAN port

CARD READER
6-in-1 Card Reader Supports:
• MMC / RS PhotoShopPremiere ProAfter EffectsIllustrator MMC
• SD / mini SD / SDHC / SDXC up to UHS-II
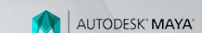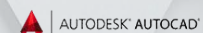
CERTIFIED BY INDEPENDENT SOFTWARE VENDORS

Adobe
Illustrator   Premiere Pro
After Effects   PhotoShop

AUTODESK

AUTODESK 3DS MAX   AUTODESK INVENTOR
AUTODESK AUTOCAD   AUTODESK MAYA

DASSAULT SYSTEMES   SOLID EDGE

SOLIDWORKS

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