

LAPCB71- Cobalt Mobile Workstation

Sleek, Fast, Powerful

Cobalt brings top of the line performance making big ideas happen. The featured NVIDIA® GeForce RTX™ 2070 graphics card with Max-Q brings cutting edge performance. The RTX combines real-time ray-tracing, AI, Deep Learning Super Sampling (DLSS) for cutting-edge graphics processing. Working with the narrow bezel 144hz 15.6 IPS display attractively showcases your work.

Hours and Hours of Performance

Constructed in a magnesium alloy chassis for a thin, light but durable mobile workstation. The dual-fan cooling system gives maximum performance with minimal noise to keep cool and working longer. This workstation will keep up with your long days, delivering up to 10 hours of battery life while on-the-go. Customizable for up to 64GB RAM and up to 4 TB NVMe/SATA SSDs to eliminate storage bottlenecks while building and training your deep learning models. Queens County is perfect for Ubuntu, Tensorflow, PyTorch, and many more machine learning and engineering applications.

Premium Workstation Laptop

Simply NUC's Cobalt mobile workstation is a new design collaboration with Intel, who conducted research and spent hours interviewing groups of engineers and content creators, to learn more about the features and designs they valued most in a mobile workstation laptop. Our workstation was developed to focus on features like the silent mechanical keyboard and connecting using WiFi 6 or gigabit ethernet, enhancing every detail in your laptop. We've even included room for two M.2 SSDs to keep all your data together.



Highlighted features

- 9th Gen Intel® Core i7- 9750H
- NVIDIA® GeForce Graphics card
- 8GB DDR4-2666 (64GB Max)
- Dual M.2 SSDs (4TB Max)
- HDMI 1.4, 4096x2304@30Hz, 3840@2160@60Hz
- Rear Thunderbolt 3 (DP and USB3.1)
- Intel® Wi-Fi 6 AX200
- Gigabit Ethernet
- 2x side USB 3.1 gen1 type A ports
- Side USB 3.1 Gen2 type A
- Side headphone and microphone jacks
- SD Card Reader
- Magnesium Alloy (Black & Gunmetal)
- 230 Watt power supply adapter
- 6 cell – 94Whr, 10 hour battery life
- 15.6" Narrow Bezel, FHD, 144HZ IPS
- RGB Silent Mechanical Keyboard (US)
- Extended service warranty options (1, 3-years)

Customization

- Two DDR4 SO-DIMM Sockets
- 1x M.2 22x80 PCIe x4 NVMe
- 1x M.2 22x80 PCIe x4 NVMe or SATA SSD
- NVIDIA® GeForce RTX™ 2070 With Max-Q Design GDDR6 8GB or
- NVIDIA® GeForce* GTX 1660 Ti 6GBDDR6

Simply NUC Services

You can order this NUC in your various configurations, as well as your corporate OS Image loaded and ready to deploy.



Technical Specifications

Processor

- 9th Generation Intel® Core™ Core i7-9750H (2.6 GHz Base, 4.5 GHz Turbo, 6 Core, 12-Thread)

Graphics

- NVIDIA® GeForce RTX™ 2070 With Max Q Design GDDR6 8GB or GeForce® GTX 1660 Ti 6GB DDR6
- HDMI 1.4, 4096x2304@30Hz, 3840@2160@60Hz
- DP 1.2 (through Type-C port) up to 3 displays daisy-chained, 4096x2304@60Hz
- Rear Thunderbolt 3 (incl. DP and USB3.1)

System Memory

- Two DDR4 SO-DIMM sockets, 64GB Max

Storage Capabilities

- 1x M.2 22x80 PCIe x4 NVMe (up to 2TB NVMe)
- 1x M.2 22x80 PCIe x4 NVMe or SATA SSD (up to 2TB NVMe)
- SD Card Reader

Service Features

- Extended service warranty options (1, 3-years)

Peripheral Connectivity

- Gigabit RJ45 Ethernet
- Three Super-Speed USB 3.1 ports (1x Side USB 3.1 Gen2 type A and 2x side USB 3.1 gen1 type A ports)
- Intel® Wi-Fi 6 AX200

Audio

- Side headphone and microphone jacks

Mechanical Chassis Information

- 356.4 mm x 233.6 mm x 20.5 mm (front) to 21.4 mm (back)
- Silent Mechanical Keyboard per key RGB Back Lighting, Glass Click Pad (US layout)
- 15.6" Narrow Bezel, FHD, 144HZ IPS 16:9 w/ 80% screen to body ratio
- 1.85 kg (4.07lbs)

Baseboard Power Requirements

- 230 Watt power supply adapter
- 6 cell – 94Whr (>10 hr) with Fast Charging Support
- US Cord included, others available

Certification and Regulations

Product Safety Regulations and Standards

- IEC 60950-1
- UL 60950-1
- EN 60950-1
- CAN/CSA-C22.2 No. 60950-1

EMC/RF Regulations and Standards (Class B)

- CISPR 32
- FCC CFR Title 47, Chapter I, Part 15, Subparts B, C, E
- ICES-005
- EN 55035
- EN 55024
- EN 55032

Certified Operating Systems

- Windows 10 Pro 64-bit

Environment Operating Temp

- 0° C to +30° C
- Non-condensing Humidity

Storage Temperature

- -40° C to +60° C