Phantom Canyon i7 - Enthusiast Mini PC

Size Meets Performance

Phantom Canyon delivers sophisticated Gaming Class Graphics in a cost-, power-, and space-efficient package. Featuring the new 11th Gen Intel® Core™ i7-1165G7 processor making it perfect for Video Editing, Video Rendering, Graphics Editing, and Serious High-End Business Applications, while running multiple applications at the same time. When the work is done and it's time to play, the Phantom can play the latest and hottest games utilizing its NVIDIA® discrete graphics card. Its small size means you can take it with you for gaming or video editing on the go.

Game, Stream, Create

Phantom Canyon is perfect for gaming, streaming, and content creation with its discrete NVIDIA® GeForce RTX2060™ graphics card and up to 16TB of NVMe storage. Connect up to four 4K monitors via HDMI, mDP, and two high-speed Thunderbolt 4 ports. Six more USB 3.2 Gen2 USB ports provide ample

interfaces to your mechanical keyboard, game controllers, racing pedals, or even add a graphics tablet for editing and design. Enjoy high bandwidth communications with 2.5GB Ethernet, Intel Wi-Fi 6, and Bluetooth 5. With its slim design and innovative features, the Phantom Canyon is the stuff of legends. Play games and create content across four screens—the discrete graphics make it possible to play or create with uncompromised visuals. The RGB top panel is customizable to mod for signature designs.

Experience the Cool Side of Powerful

Take gaming to the next level with the ultra-sleek, super-small Intel® NUC 11 Enthusiast Mini PC. This Mini PC delivers incredible performance and is optimized for gaming with an 11th Gen Intel® Core™ i7 processor and discrete NVIDIA RTX 2060 Max-P graphics. At home or in a competition, the Phantom Canyon's new cooling system won't heat up the room, no matter how intense the gameplay gets.

Highlighted features

- 11th Gen Intel® Core™ i7-1165G7
- Intel® Xe Graphics
- NVIDIA® GeForce® RTX2060
- Two DDR4-3200 SO-DIMM Sockets
- M.2 Slot Supports PCIe SSDs
- Secondary M.2 Slot Supports PCIe and SATA SSDs
- HDMI 2.0b Port
- Mini DisplayPort 1.4 Port
- Front and rear Thunderbolt™ 4 Ports
- Intel® 2.5Gb Ethernet Port
- Intel® Wi-Fi 6
- Intel® Bluetooth 5.1
- 2 x front, 4 x rear USB 3.1 Gen 2 Ports
- SDXC Slot with UHS-II Support
- 3.5mm Front Stereo Headset Jack
- 3.5mm Rear Speaker / TOSLINK Combo Jack
- Beam-forming, Far-field, Quad-mic Array, with Alexa Support
- Front Consumer Infrared Port
- Front Panel Power Button
- Kensington Lock with Base Security
- 19VDC 230W Power Supply
- RGB-backlit Top Lid Skull Logo, with User-replaceable Mask
- Vertical Stand Included
- VESA Mount Kit Included
- Extended Support Service Options (5-, 3-, 1-yr)

Customization

- Supports DDR4 3200Mhz RAM 4GB-64GB
- Supports M.2 SSD 128GB-8TB
- Secondary M.2 Supports SSD 128GB-8TB
- Two USB 2.0 Internal Headers

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
- Intel® Core™ i7-1165G processor (2.8GHz@28W, up to 4.7GHz Turbo, 4 Cores, 8 Threads, 12MB Intel® Smart Cache)

Storage Capabilities
- One M.2 Socket Supporting 22x80 M.2 SSDs, PCIe Only
- One M.2 Socket Supporting PCIe or SATA SSD
- SDXC Slot with UHS-II Support

Audio
- Up to 7.1 Multichannel Digital Audio via HDMI or DisplayPort
- 3.5mm Front Stereo Headset Jack
- 3.5mm Rear Speaker / TOSLINK Combo Jack

Hardware Management Features
- Voltage and Temperature Sensing
- ACPI-compliant Power Management Control
- Processor Fan Speed Control
- Fan Sensor Inputs used to Monitor Fan Activity

Graphics
- NVIDIA® GeForce® RTX2060 Discrete Graphics w/ 6GB GDDR6
- Intel® Iris™ Xe Graphics
- HDMI 2.0b Port with HDCP 2.2
- Mini DisplayPort 1.4 Port
- Support for a 3rd and 4th Monitor via Thunderbolt 4 with DisplayPort

Peripheral Connectivity
- Intel® 2.5 Gigabit Ethernet
- Six Super-Speed USB 3.2 Gen 2 Ports (Four on Back Panel and Two on Front Panel)
- Front and Rear Thunderbolt™ 4 Ports
- Two Rear USB 3.2 Gen 2 ports on Type-C Connector (Thunderbolt 4)
- Intel® Wi-Fi 6 AX201
- Intel® Bluetooth 5 with Internal Antennas

Baseboard Power Requirements
- 19V, 230W Laptop-style AC-DC Power Adapter

Mechanical Chassis
- 8.70" x 5.59" x 1.65"
- 221 mm x 142 mm x 42 mm (~1.3L)

System Memory
- Two DDR4 SO-DIMM sockets, 64GB Max, 3200Mhz, 1.2V

System Bios
- 64 Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play
- Intel® Visual BIOS
- Intel® Express BIOS Update Support

Front Panel Header
- Reset, HDD LED, Power LEDs, Power On/Off

Expansion Capabilities
- Two USB 2.0 internal headers
- Consumer Electronics Control Header

External Control Features
- Beam-forming, Far-field, Quad mic Array, with Alexa Support
- Front Consumer Infrared Port

Certification and Regulations

Product Safety Regulations and Standards
- IEC 60950-1
- UL 60950-1
- EN 60950-1
- CAN/CSA-C22.2 No. 60950-1

Environment Operating Temp
- 0° C to +40° C
- Non-Condensing Humidity

EMC/RF Regulations and Standards (Class B)
- FCC CFR Title 47, Chapter I, Part 15,Subparts B, C, E
- CISPR 52
- ICES-005
- EN 55052
- EN 55024
- ETSI EN 500 528
- ETSI EN 501 489-1
- ETSI EN 501 489-17
- ETSI EN 501 895
- EN 62511
- AS/NZS 2772.2
- AS/NZS 4268
- VCCI V-2, V-5, V-4
- KN-52
- KN-24
- CNS 15458

Environmental Regulations
- RoHS Directive 2011/65/EU
- WEEE Directive 2012/19/EU
- China RoHS

Certified Operating Systems
- Windows 10 64-bit (Pro & Home)
- Linux (Fedora)