



### 8th Generation Intel® Core™ i7-8665U (NUC8v7PN)

1.8 GHz to 4.8 GHz Turbo, 4 Core, 8 Thread, 8MB Cache, **15W**  
**Intel® UHD Graphics 620**, 300 MHz – 1.15 GHz  
**Intel® vPro™ Technology**, Intel® AMT v12



### 8th Generation Intel® Core™ i5-8365U (NUC8v5PN)

1.6 GHz to 4.1 GHz Turbo, 4 Core, 8 Thread 6MB Cache, **15W**  
**Intel® UHD Graphics 620**, 300 MHz – 1.10 GHz  
**Intel® vPro™ Technology**, Intel® AMT v12



### 8th Generation Intel® Core™ i3-8145U (NUC8i3PN)

2.1 GHz to 3.9 GHz Turbo, 2 Core, 4 Thread, 4MB Cache, **15W**  
**Intel® UHD Graphics 620**, 300 MHz – 1.00 GHz



- Dual HDMI 2.0a (4K 60Hz, HDR), w/HDCP2.2 and **built-in CEC for both ports**
- **Thunderbolt 3** (incl. DP and USB3.1) via back panel **type C** connector
- **Internal 4-lane eDP 1.4 connector** (support for up to 4k@60Hz)
- **Triple external display support via dual DP/MST on Type C plus HDMI**
- **M.2 22x80 key M** slot for PCIe x4 NVMe or SATA SSD
- **Intel® Optane™ Memory** ready; **Intel® Optane™ Memory H10 with Solid State Storage** ready
- Intel® i219-LM 10/100/1000 Mbps RJ45 Ethernet
- Intel® Wireless-AC 9560 vPro (i7 vPro and i5 vPro kits), Intel® Wireless-AC 9560 (i3 kits) on M.2 slot
- TPM 2.0 (worldwide and China options; i7 vPro and i5 vPro SKUs only)
- Dual-channel DDR4-2400 1.2V SODIMMs (up to 2x 32GB for 64GB total maximum memory)
- 2x front and 1x rear **USB 3.2 Gen 2** type A ports, 1x internal USB 3.0 header
- 1x rear type A and 2x internal USB 2.0 headers (all USB ports with individual USB power control)
- 1x RS232 serial port header
- Up to 7.1 multichannel (or dual 8-channel) digital audio via HDMI
- Front panel header (with Vcc5/1A, 5Vsby/2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; DC transient voltage suppression**
- **Display emulation (headless display, 2nd virtual display, persistent displays) via HDMI**
- **12 – 24V<sub>DC</sub> ±5% DC input on rear jack and internal 2x2 power connector, with OVP**
- Plastic chassis, replaceable lid, Kensington lock with base security, **DC cable strain relief**
  - **0~40degC** external ambient operating temperature
  - 19VDC 90W power supply adapter with geo-specific AC cords (IEC C5 connector)
  - VESA mounting plate included
  - Tall kit only: 2.5" drive bay (7mm), and internal expansion bay via backpanel (1x DB9 punched bracket pre-installed)
- "Tall" H chassis: 117 x 112 x 53 mm, "Slim" K chassis: 117 x 112 x 37mm, Board: 101.6 x 104.1 mm
- Microsoft Windows® 10 (logo'd), Windows 10 IOT Enterprise, Windows Server 2019
- Compatible with various Linux distros
- Individual brown-box packaging
- **Three Year Product Life Cycle, Three Year Warranty**

### Available SKUs

Mini PC

Kit

Chassis

Board



### Provo Canyon i7 vPro “Tall” Kit – NUC8v7PNH

Product Code	MM#	AC Cord (C5)	Processor	TPM
BKNUC8v7PNH	999LOT	None	8 <sup>th</sup> Generation Core™ i7-8665U	WW
BKNUC8v7PNH6	999L10	CN		CN

### Provo Canyon i5 vPro “Tall” Kit – NUC8v5PNH

Product Code	MM#	AC Cord	Processor	TPM
BKNUC8v5PNH	999KXV	None	8 <sup>th</sup> Generation Core™ i5-8365U	WW
BKNUC8v5PNH6	999KZ6	CN		CN

### Provo Canyon i3 “Tall” Kit – NUC8i3PNH

Product Code	MM#	AC Cord (C5)	Processor	TPM
BKNUC8i3PNH	999KTR	None	8 <sup>th</sup> Generation Core™ i3-8145U	None

### Provo Canyon i7 vPro “Slim” Kit – NUC8v7PNK

Product Code	MM#	AC Cord (C5)	Processor	TPM
BKNUC8v7PNK	999L08	None	8 <sup>th</sup> Generation Core™ i7-8665U	WW

### Provo Canyon i5 vPro “Slim” Kit – NUC8v5PNK

Product Code	MM#	AC Cord (C5)	Processor	TPM
BKNUC8v5PNK	999KX7	None	8 <sup>th</sup> Generation Core™ i5-8365U	WW
BKNUC8v5PNK1	999KX8	US		WW

### Provo Canyon i3 “Slim” Kit – NUC8i3PNK

Product Code	MM#	AC Cord (C5)	Processor	TPM
BKNUC8i3PNK	999KTJ	None	8 <sup>th</sup> Generation Core™ i3-8145U	None





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**Intel® UHD Graphics 620**, 300 MHz – 1.00 GHz



- Dual HDMI 2.0a (4K 60Hz, HDR), w/HDCP2.2 and **built-in CEC for both ports**
- **Thunderbolt 3** (incl. DP and USB3.1) via back panel **type C** connector
- Internal 4-lane eDP 1.4 connector (support for up to 4k@60Hz)
- **Triple external display support via dual DP/MST on Type C plus HDMI** (or internally via dual HDMI plus eDP on board SKU)
- **M.2 22x80 key M** slot for PCIe x4 NVMe or SATA SSD
- **Intel® Optane™ Memory** ready; **Intel® Optane™ Memory H10 with Solid State Storage** ready
- Intel® i219-LM 10/100/1000 Mbps RJ45 Ethernet
- M.2 2230 key E slot for Intel® Wireless-AC 9560 card (sold separately)
- Discrete TPM 2.0 (i7 vPro and i5 vPro SKUs only)
- Dual-channel DDR4-2400 1.2V SODIMMs (up to 2x 32GB for 64GB total maximum memory)
- 2x front and 1x rear **USB 3.2 Gen 2** type A ports, 1x internal USB 3.0 header
- 1x rear type A and 2x internal USB 2.0 headers (all USB ports with individual USB power control)
- 1x RS232 serial port header
- Up to 7.1 multichannel (or dual 8-channel) digital audio via HDMI
- Front panel header (with Vcc5/1A, 5Vsby/2A, 3.3Vsby/1A)
- **Qualified for 24x7 operation**
- **Delayed AC start; DC transient voltage suppression**
- **Display emulation (headless display, 2<sup>nd</sup> virtual display, persistent displays) via HDMI**
- **12 – 24V<sub>DC</sub> ±5% DC input on rear jack and internal 2x2 power connector, with OVP**
- Board dimensions: 101.6 x 104.1 mm
- Microsoft Windows\* 10 (logo'd), Windows 10 IOT Enterprise, Windows Server 2019
- Compatible with various Linux distros
- 5-pack bulk packaging
- **Three Year Product Life Cycle, Three Year Warranty**

### Available SKUs



Mini PC



Kit



Chassis



Board

Assets: <https://www.intel.com/content/www/us/en/products/docs/boards-kits/nuc/nuc-assets/nuc-provo-canyon.html>



### Provo Canyon Board

Product Code	MM#	Processor	TPM
BKNUC8v7PNB	999L05	8 <sup>th</sup> Generation Core™ i7 vPro™	WW
BKNUC8v5PNB	999KX5	8 <sup>th</sup> Generation Core™ i5 vPro™	WW
BKNUC8i3PNB	999KT6	8 <sup>th</sup> Generation Core™ i3	None

