

Tiger Canyon i7 – Tall Chassis

A leap forward in Business Performance

Boundary-breaking performance is available with the latest 11th Gen Intel® Core™ i7 processors with Iris® XE graphics and support for high-speed 3200 MHz DDR4 memory. Whether you're creating a digital kiosk, deploying intelligent vending, or refreshing enterprise PCs, Tiger Canyon can get the job done easily. Select Tiger Canyon SKUs also feature Intel vPro® technology for remote manageability, hardware-enhanced security features, and platform stability to help businesses cut IT costs and boost uptime.

More Performance. More Connections

Every Intel NUC 11 Pro system can support one 8K or four 4K displays for digital signage, video conferencing, and other deployments. Operate Tiger Canyon in a cluster of small form factor PCs or create network redundancy using the optional Dual 2.5GB Ethernet. Businesses can get more work done anytime, anyplace, with the latest wired and wireless options, like Intel® Wi-Fi 6 AX201, the

fastest generation of Wi-Fi, and two ultra-fast Thunderbolt™ ports.

Build embedded solutions

Tiger Canyon, built on Intel 11th Gen architecture, provides greater system performance over previous generations with advanced hyperthreading technologies driving faster speeds and enhanced graphics. Qualified for 24x7 operation and backed by a three-year warranty, Intel NUC 11 Pro boards are small, powerful systems designed to meet today's needs—and keep businesses running for years. With Intel® vPro® technology, you can help your customers get ahead of security threats. The built-in hardware-enhanced security keeps client data and credentials secure for remote installations such as digital kiosks and intelligent vending.

Highlighted features

- 11th Gen Intel® Core™ i7-1165G7
- Intel® Iris™ XE Graphics
- Intel® vPro® Technology (1185G7 Only)
- 2x DDR4-3200 SO-DIMM Sockets
- M.2 Socket Supports PCIe Gen 4 SSDs
- Secondary M.2 Slot Supports SATA 2.5" SSDs (7mm)
- 2x HDMI 2.0b Supporting 4K @ 60Hz
- Intel® 2.5 Gigabit LAN
- Intel® Wi-Fi 6 + Bluetooth 5.1
- 1x Thunderbolt 4 Port
- 1x Thunderbolt 3 Port
- 3x USB Gen 2 Ports
- 1x USB 2.0 Port
- Digital Audio 7.1 Surround Sound
- Internal Dual-Band Antennas
- TPM 2.0 (vPro® Only)
- Front Panel Power Button
- 19V_{DC} Power Supply
- Kensington Lock Support
- VESA Mount Kit

Customization

- 11th Gen Intel® Core™ i7 1185G7 (vPro®)
- Chassis Expansion incl. Dual LAN/USB 2.0 Expansion
- Supports DDR4 RAM 4GB to 64GB
- Supports M.2 SSD 128GB to 8TB
- Secondary M.2 Supports 2.5" SSD 128GB to 8TB
- 2s USB 2.0 Internal Headers
- 1x RS-232 Serial Internal Header
- Customizable Lid Options



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 Specification

Processor

- 11th Gen Intel® Core™ i7-1185G7 vPro® Processor (3.0GHz @ 28W, up to 4.8GHz Turbo, 4C/8T, 12MB L3 Cache)
- Or 11th Gen Intel® Core™ i7-1165G7 Processor (2.8GHz @ 28W, up to 4.7GHz Turbo, 4C/8T, 12MB Cache)

Audio

- Up to 7.1 Multichannel (or Dual 8-channel) Digital Audio via HDMI

Hardware Management Features

- Trusted Platform Module (TPM) 2.0 (vPro® Only)
- AMT Supported Ethernet Controller (vPro® Only)
- Voltage and Temperature Sensing
- ACPI-compliant Power Management Control
- Fan Sensor Input used to Monitor and Control Fan Activity

Graphics

- Intel® Iris™ XE Graphics
- 2x HDMI 2.0b Ports with HDCP 2.2
- Built-in CEC for Both Ports
- Support for a 3rd and 4th Monitor via Thunderbolt 4 with DisplayPort

Peripheral Connectivity

- Intel® 2.5 Gigabit LAN with AMT Support (AMT is vPro® Only)
- 3x Super-Speed USB 3.2 Gen 2 Ports (2x Front and 1x Rear)
- 1x Rear USB 2.0 Port
- 2x Rear USB 3.2 Gen 2 Ports on Type-C Connector (1x Thunderbolt 4; 1x Thunderbolt 3)
- Intel® Wi-Fi 6 AX201 is Removable or Disabled for Security
- Intel® Bluetooth 5.1
- Optional Chassis Expansion Intel® 2.5 Gigabit LAN with Two USB 2.0 Ports

Baseboard Power Requirements

- 12V_{DC} to 20V_{DC} Input Voltage Range
- 19V AC-DC Power Adapter with Detachable Power Cord Supplied

Front Panel Header

- Reset, HDD LED, Power LEDs, Power On/Off
- Vcc5/1A, 5Vsby/2A, 3.3Vsby/1A

System Memory

- 2x DDR4 SO-DIMM Sockets, up to 64GB, 3200MHz, 1.2V

System Bios

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

Storage Capabilities

- M.2 22x80 Socket Supports SSDs and PCIe Gen 4
- One M.2 Socket for Connection to 2.5" SATA SSD

Mechanical Chassis Information

- 4.61" x 4.41" x 2.13" (117mm x 112mm x 54mm)

Expansion Capabilities

- 1x M.2 for Panel Expansion and Functional Lid Support—Incl. Dual LAN/USB 2.0 Expansion Panel
- 2x USB 2.0 Ports on Two 1x4 Internal Headers
- 2x Consumer Electronics Control Headers

Certifications and Regulation

Safety Regulations and Standards

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

Environmental Operating Temp

- 0°C to +40°C
- Non-Condensing Humidity

EMC/RF Regulations and Standards

- FCC CFR Title 47, Chapter I, Part 15, Subparts B, C, E
- EN 55052
- EN 55024
- CISPR 52
- ICES-005
- 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-4, V-5
- KN-52

EMC/RF Regulations and Standards (continued)

- 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)
- Windows 10 IoT
- Windows Server 2019
- Linux (Fedora)