

Tiger Canyon Lite i5 – Board

A leap forward in Business Performance

Boundary-breaking performance is available with the latest 11th Gen Intel® Core™ i5 processors with Iris® XE graphics and support for high-speed DDR4-3200 memory. Whether you're creating a digital kiosk, deploying intelligent vending, or refreshing enterprise PCs, Tiger Canyon Lite can get the job done easily. Select Tiger Canyon Lite 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.

Power for the Future of Business

The Tiger Canyon Lite supports two 4K displays for digital signage, video conferencing, and other deployments. Operate Tiger Canyon Lite in a cluster of small form factor PCs and implement the display emulator to create seamless implementation of 4K graphics on virtual machines. Businesses can get more work done

anytime, anyplace, with the latest wired and wireless options, including Intel® Wi-Fi 6 AX201, the fastest generation of Wi-Fi.

Build embedded solutions

Tiger Canyon Lite, 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.



Simply NUC Services

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

Highlighted features

- 11th Gen Intel® Core™ i5-1135G7
- Intel® Iris™ XE Graphics
- Intel® vPro® Technology (1145G7 Only)
- 2x DDR4-3200 SO-DIMM Sockets
- M.2 Socket Supports PCIe Gen 4 SSDs
- M.2 Socket Supports SATA SSDs
- M.2 Socket Supports Wi-Fi
- 2x HDMI 2.0b Supporting 4K @ 60Hz
- Intel® 2.5 Gigabit LAN
- 3x USB Gen 2 Ports
- 1x USB 2.0 Port
- Digital Audio 7.1 Surround Sound
- TPM 2.0 (vPro® Only)

Customization

- 11th Gen Intel® Core™ i5 1145G7 (vPro®)
- Supports DDR4 RAM 4GB to 64GB
- Primary M.2 22x80 SSD 128GB to 8TB
- Secondary M.2 22x42 Supports SSD 128GB to 8TB
- 1x M.2 22x30 Supports Wi-Fi Module
- 2s USB 2.0 Internal Headers
- 1x RS-232 Serial Internal Header

Technical Specification

Processor

- 11th Gen Intel[®] Core™ i5-1145G7 vPro[®] Processor (2.4GHz @ 28W, up to 4.2GHz Turbo, 4C/8T, 8MB Cache)
- Or 11th Gen Intel[®] Core™ i5-1135G7 Processor (2.4GHz @ 28W, up to 4.2GHz Turbo, 4C/8T, 8MB 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

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
- 1x 22x30 M.2 Socket Supporting Wi-Fi Modules

Baseboard Power Requirements

- 12V_{DC} to 24V_{DC} Input Voltage Range

Front Panel Header

- 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

- Primary M.2 22x80 Socket Supports SSDs and PCIe Gen 4
- Secondary M.2 22x42 Socket

Mechanical Chassis Information

- 4.09" x 4.01" (104mm x 102mm)

Expansion Capabilities

- 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 1, 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)