Atlas Canyon Celeron- NUC11 Essential NUC11ATKC4

The Essential Mini PC for Everyday Computing

The name says it all. The Intel® NUC 11 Essential Atlas Canyon NUC is the essential, everyday solution for kiosks, collaboration and streaming, and digital signage. Powered by Intel® Celeron® processors, these powerful, cost-efficient systems deliver Intel reliability and quality.

Performance-Pack. Value Priced.

Experience exceptional performance with quad-core Intel® Celeron® processors and up to 32GB dual-channel memory. Atlas Canyon provides storage flexibility with 64GB soldered down eMMC storage on select SKUs, or an NVMe drive of up to 8TB to store all your pictures and videos. Quality and flexibility are built in, with numerous available mounting options, HDMI and

DisplayPort video ports to drive your 4K displays, six USB ports, and an external front panel header for convenient remote control by alternate power sources.

Intel Reliability and Quality in a Slim, Cost-Effective Design

Atlas Canyon NUCs and Boards deliver the essentials—great performance and great value in a slim form factor backed by a three-year warranty. With pre-installed Intel® 802.11ac wireless, for connectivity right out of the box, you can immediately access files in the cloud; and with built-in Bluetooth 5.1, you can seamlessly connect all your wireless peripherals. From retail kiosks to digital signage to collaboration and streaming in your home, office, or school, Atlas Canyon NUCs offer great performance at an unmatched value.

Highlighted Features

- Intel® Celeron® N5105
- Intel® UHD Graphics
- Select SKUs with 64GB eMMC
- M.2 22x80 M-key supporting NVMe x4 PCIe or SATA SSDs
- Dual DDR4-2933 SO-DIMM Sockets
- Intel® Wireless AC9462 M.2 card, dual-band 1x1 w/ diversity + Bluetooth® v5.1
- 1x HDMI 2.0 providing 4K resolution with HDCP 2.2
- 1x DisplayPort 1.4 enabling dual 4K displays with HDCP2.2
- 2x Front USB 3.2
- 2x Rear USB 3.2
- 2x Rear USB 2.0
- 1x Gigabit Ethernet
- External 9-pin Front Panel Header
- 7.1 Multichannel Digital Audio via HDMI
- 3.5mm stereo jack
- 3.5mm microphone jack
- Kensington Lock supported
- VESA Mount Enabled
- Extended Service Support (1-, 3-, 5-year)

Customization

- 64GB eMMC Storage
- NVMe x4 PCIe storage from 256GB to 8TB or SATA SSD from 256GB to 2TB
- DDR4-2933 memory from 4GB to 32GB
- OS options including Windows 10 Pro, Home and IoT along with Linux

Technical Specification

Processor
- Intel® Celeron® N5105, 2.0GHz to 2.9GHz burst, 4C/4T, 4MB L3 Cache, 10W

Storage Capabilities
- Optional 64MB eMMC Board Soldered
- M.2 22x80 M-Key enabling NVMe x4 PCIe (256GB to 8TB) and SATA SSD (256GB to 2TB)

Audio
- 7.1 Multichannel digital audio via HDMI
- 3.5mm stereo jack
- 3.5mm microphone jack

Graphics
- Intel® UHD Graphics, up to 800MHz
- 1x DisplayPort 1.4 enabling dual 4K displays with HDCP2.2 (High-bandwidth Digital Content Protection)
- 1x HDMI 2.0b providing 4K with HDCP 2.2

Peripheral Connectivity
- Intel Wireless AC9462 with Bluetooth 5.1 implementing internal dual band antennas with diversity
- 1x Gigabit LAN
- 2x Front USB 3.2 Type-A
- 2x Rear USB 3.2 Type-A
- 2x Rear USB 2.0 Type-A
- External 9-pin front panel header

System Memory
- Dual DDR4-2933 SODIMMS, 1.2V, 4GB to 32GB

Mechanical Chassis Information
- 125mm x 115mm x 36mm
- Kensington Lock supported
- VESA mount supported

Baseboard Power Requirements
- $19V_{DC}$, 65W power supply included
- $12V_{DC}$ to $24V_{DC}$ input supply range

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
- 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 and Home)
- Windows 10 IoT
- Ubuntu Linux