

## Atlas Canyon Celeron - NUC11 Essential NUC11ATBC4 Motherboard

### 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, digital signage & your deeply embedded uses. 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 along with an optional M.2 NVMe drive of up to 8TB to store all your pictures and videos. Quality and flexibility are

built-in, with 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

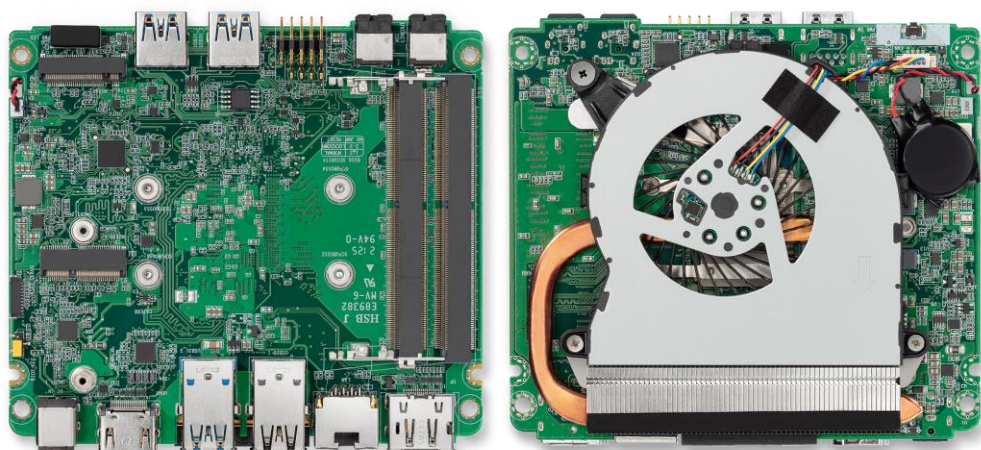
Atlas Canyon Boards deliver the essentials—great performance and great value in a slim form factor backed by a three-year warranty. With an M.2 E-Key, you can support an optional Intel® 802.11ac wireless card for connectivity right out of the box; and with built-in Bluetooth 5.1, you can seamlessly connect all your wireless peripherals. From retail kiosks to digital signage to embedded production lines, Atlas Canyon Boards offer great performance at an unmatched value.

### Highlighted Features

- Intel® Celeron® N5105
- Intel® UHD Graphics
- 2x DDR4-2933 SO-DIMM Sockets
- 64GB eMMC Storage
- M.2 22x80 M-key supporting NVMe x4 PCIe or SATA SSDs
- M.2 22x30 E-Key for optional Intel® Wireless AC9462 M.2 + Bluetooth® v5.1 card
- 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
- Extended Service Support (1-, 3-, 5-year)

### Customization

- 1x M.2 22x80 Key-M NVMe x4 supporting PCIe storage from 256GB to 8TB or SATA SSD from 256GB to 2TB
- DDR4-2933 memory from 4GB to 32GB
- M.2 22x30 E-Key Supports Wi-Fi Module
- OS options including Windows 10 Pro, Home and IoT along with Linux
- Optional Wireless AC9462 M.2 card



### 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

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

### Storage Capabilities

- 64MB Soldered eMMC
- 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<sup>®</sup> 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

- 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

### Motherboard Dimensions

- 4.8" x 4.4" (122mm x 113mm)

### Baseboard Power Requirements

- 12V<sub>DC</sub> to 24V<sub>DC</sub> input supply range

### Expansion Options

- M.2 22x30 E-Key for Wireless Module

## 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