

Features

- Intel® Celeron® J3455 Processor Onboard
- Single DRAM Socket supports up to 8GB DDR3L 1866MHz system memory
- Rich I/O: 1 x COM, 2 x HDMI, 2 x LAN, 4 x USB 3.0, 1 x Audio Jack, 2 x antenna mounting holes with dust cover
- M.2 B-Key and M.2 E-Key
- Fanless Operating from 0°C ~ 50°C
- DC Power Input +12V
- Compact Size 4.53" x 4.37" x 1.77"
- VESA or Din-Rail Mounting Kit
- Optional TPM 2.0
- Supports Win 10, Linux OS



Specifications

System	
CPU	Intel® Celeron® J3455 Processor (2M Cache, up to 2.3 GHz)
System Memory	1 x 204-pin SODIMM socket supports up to 8GB 1866MHz DDR3L
BIOS	AMI BIOS, 128Mbit SPI Flash ROM
Watchdog Timer	H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step
H/W Status Monitor	Monitoring CPU Temperature, Voltage with Auto Throttling Control
Expansion	1 x M.2 (B-Key, 2242/3042, PCIe, SATA, USB 3.0, USB 2.0) 1 x M.2 (E-Key, 2230, PCIe, USB2.0)
OS Information	Win 10, Linux
External I/O	
Video Output	2 x HDMI
USB	4 x USB 3.0 (5Gbps)
COM Port	1 x RS-232/422/485
LAN	2 x RJ45
Audio	1 x Audio Jack (Mic-in + Line-out Combo)
Antenna	2 x Antenna Mounting with Dust Cover
Display	
Chipset	Intel® HD Graphics 500
Resolution	2 x HDMI 1.4b: Max. Resolution 3840x2160 @ 30Hz *1 x DP/DVI-I/VGA (Optional): Max. Resolution 1920x1080@60Hz *DP/DVI-I/VGA (Optional, replace the external COM port)
Multiple Display	Supports Dual Display
Ethernet	
Chipset	Realtek RTL8111E Gigabit Ethernet
Interface	10/100/1000 Base-Tx Gigabit Ethernet Compatible
LAN Port	2 x RJ45

Audio	
Chipset	Realtek HD Audio
Interface	1 x Audio Jack (Mic-in + Line-out Combo)
Power Requirement	
Adapter	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 12V/5A AC-DC 60W Adapter
Requirement	+12V
DC-in Connector	Lockable DC Jack
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
Mechanical & Environment	
Operating Temp	-10°C ~ 40°C (14°F ~ 104°F) with 0.2m/s air flow -10°C ~ 50°C (14°F ~ 122°F) with 0.5m/s air flow
Storage Temp	-30~70°C (-22°F ~ 158°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Construction	Aluminum + Metal
Mounting Kit	VESA or Din Rail Kit
Vibration Protection Test	With SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis
Shock Protection Test	With SDD : 55G, IEC 60068-2-27, Half Sine, 11ms, Z Axis
Drop	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces
Certification Information	CE, FCC Class A, UKCA
Dimension	4.53" x 4.37" x 1.77" (115mm x 111mm x 45mm)
Weight	0.72KG (1.59lbs)

Ordering Info

NUC-APL-34-B1-2R Intel® Celeron® J3455 Processor, with 4GB DDR3L

* All product specifications and images are subject to change without notice. Last update: 07/26/2023