

Features

- Intel® Celeron® J3455 Processor Onboard
- Single DRAM Socket, up to 8GB DDR3 1866MHz Max
- Rich external I/O: 1 x COM, 2 x HDMI, 2 x LAN, 4 x USB 3.0, 1 x Audio, 2 x Antenna Mounting
- Expansion Slot: M.2 B-Key, M.2 E-Key
- Fanless Operating from 0°C ~ 50°C
- DC Power Input +12V
- Palm Size, 4.53" x 4.37" x 1.77"
- Supports VESA/Din-Rail Kit
- TPM 2.0 (Optional)



Specifications

System	
CPU	Intel® Celeron® J3455 Processor (2M Cache, up to 2.3 GHz)
System Memory	1 x 204-pin SoDIMM Socket, up to 8GB DDR3L 1866MHz Max
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)
Storage	SSD: 1 x M.2 (B-Key, 2242, SATA)
OS Information	Win 10, Linux
System Control	LED Indicator: 1 x Power on/off LED & Storage Access LED on front side. Power Button
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 RJ-45
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 1920 x 1080 @ 60Hz * DP/DVI-I/VGA (Optional, replace the external COM port)
Multiple Display	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 ALC892
Power Requirement	
Adapter	Input: 100 ~ 240Vdc/ 50 ~ 60Hz Output: 12V/5A AC-DC 60W Adapter
Requirement	+12V
ACPI	Single Power ATX Support S0, S3, S4, S5 ACPI 5.0 Compliant
Power Type	AT/ATX (ATX is default setting)
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	-40°C ~ 75°C (-40°F ~ 167°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Weight	0.72KG (1.59lbs)
Construction	Aluminum + Metal
Mounting Kit	VESA/Din Rail Kit
Dimension	4.53" x 4.37" x 1.77" (115mm x 111mm x 45mm)
Vibration Protection	With SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis
Shock Protection	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

Ordering Info	
NUC-APL-34-A1-2R	Intel Celeron J3455 Processor Fanless NUC Slim System

* All product specifications and images are subject to change without notice. Last update: 2020/11/20



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