



## NUC-APL-Slim

Intel® Apollo Lake Fanless NUC Slim System

- > Onboard Intel® Celeron® Processor J3455/N3350
- > Single DRAM Socket, Max. Up to 8GB DDR3 1866MHz
- > Rich I/O, 1 x COM, 2 x HDMI, 2 x LAN, 4 x USB3.0, 1 x Audio, 2 x Antenna Mounting
- > Expansion Slot, M.2 Key-B, M.2 Key-E
- > Fanless Operating from 0°C ~ 50°C
- > DC Power Input +12V
- > Compact Size, 115mm x 111mm x 45mm
- > Supports VESA/Din-Rail Kit
- > TPM 2.0 (Factory Option)

### + Spec

| -System Information-             |   |
|----------------------------------|---|
| <b>Processor</b>                 | Intel® Celeron® Processor J3455 (2M Cache, up to 2.3 GHz)<br>Intel® Celeron® Processor N3350 (2M Cache, up to 2.4 GHz)  |
| <b>System Memory</b>             | 1 x 204-pin SO-DIMM Socket, Max, Up to 8GB DDR3L 1866MHz  |
| <b>BIOS Information</b>          | AMI BIOS, 128Mbit SPI Flash ROM   |
| <b>Watchdog Timer</b>            | H/W Reset, 1sec. ~ 65535sec and 1sec. or 1min./step   |
| <b>HW Status Monitor</b>         | Monitoring CPU Temperature, Voltage with Auto Throttling Control  |
| <b>SBC</b>                       | NCM-APL   |
| Expansion                        |   |
| <b>Expansion</b>                 | 1 x M.2 (Key-B, 2242/3042, PCIe, SATA, USB 3.0, USB 2.0)<br>1 x M.2 (Key-E, 2230, PCIe, USB2.0)   |
| Storage                          |   |
| <b>Storage</b>                   | 1 x M.2 (Key-B, 2242, SATA)   |
| I/O                              |   |
| <b>USB Port</b>                  | 4 x USB 3.0 (5Gbps)   |
| <b>COM Port</b>                  | 1 x RS-232/422/485 (BIOS&Cable)   |
| <b>Antenna</b>                   | 2 x Antenna Mounting with Dust Cover  |
| System Control                   |   |
| <b>LED Indicator</b>             | 1 x Power on/off LED & Storage Access LED on front side   |
| Display                          |   |
| <b>Graphic Chipset</b>           | Intel® HD Graphics 500  |
| <b>Spec. &amp; Resolution</b>    | 2 x HDMI 1.4b: Max. Resolution 3840x2160@30Hz<br>*1 x DP/DV-I/VGA (Factory Option): Max. Resolution 1920 x 1080@60Hz<br>*DP/DV-I/VGA is an option which will replace the location of COM. |
| <b>Multiple Display</b>          | Dual Display  |
| Audio                            |   |
| <b>Audio Codec</b>               | Realtek ALC888S   |
| <b>Audio Interface</b>           | 1 x Audio Jack (Mic-in + Line-Out Combo)  |
| Certifications                   |   |
| <b>Certification Information</b> | CE, FCC Class A, UKCA   |
| Ethernet                         |   |
| <b>LAN Chipset</b>               | Realtek RTL8111E Gigabit Ethernet   |
| <b>Ethernet Interface</b>        | 10/100/1000 Base-Tx Gigabit Ethernet Compatible   |
| <b>LAN Port</b>                  | 2 x RJ45  |
| Power Requirement                |   |
| <b>DC Input</b>                  | +12V  |
| <b>DC Input Connector</b>        | Lockable DC Jack  |
| <b>ACPI</b>                      | Single Power ATX Support S0, S3, S4, S5<br>ACPI 5.0 Compliant   |
| <b>Power Mode</b>                | AT/ATX (ATX is default setting)   |
| <b>Adapter</b>                   | Input: 100 ~ 240Vdc/ 50 ~ 60Hz<br>Output: 12V/5A AC-DC 60W Adapter  |
| Mechanical & Environmental       |   |
| <b>Operating Temperature</b>     | -10°C ~ 40°C (14°F ~ 104°F) with 0.2m/s air flow<br>-10°C ~ 50°C (14°F ~ 122°F) with 0.5m/s air flow  |
| <b>Storage Temperature</b>       | -30~70C° (-22°F ~ 158°F)  |
| <b>Operating Humidity</b>        | 40°C @ 95% Relative Humidity, Non-condensing  |
| <b>Dimension (W x L x H)</b>     | 115mm x 111mm x 45mm (4.53" x 4.37" x 1.77")  |
| <b>Weight</b>                    | 0.72KG (1.59lbs)  |



|                             |  |
|-----------------------------|--|
| <b>Vibration Test</b>       | With SSD: 5Grms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis  |
| <b>Shock Test</b>           | With SDD : 55G, IEC 60068-2-27, Half Sine, 11ms, Z Axis  |
| <b>Mounting Kit</b>         | VESA/Din Rail Kit  |
| <b>Drop</b>                 | ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces  |
| <b>Construction</b>         | Aluminum + Metal   |
| <b>Software Support</b>     |  |
| <b>OS Information</b>       | Win 10, Linux  |
| <b>Ordering Information</b> |  |
| <b>Ordering Information</b> | <p>NUC-APL-34-1-2R<br/>Intel® Celeron® Processor J3455 Fanless NUC Slim System</p> <p>NUC-APL-33-1-2R<br/>Intel® Celeron® Processor N3350 Fanless NUC Slim System</p> <p>E1702031831R Australia Power Cord</p> <p>E1702031833R USA Power Cord</p> <p>E1702031834R Japan Power Cord</p> <p>E170P060380R UK Power Cord</p> <p>E1702031000R EU Power Cord</p> |

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