



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



Vibration Test	With SSD: 5Gms, IEC 60068-2-64, Random, 10 ~ 500Hz, 30min/Axis, 3 Axis
Shock Test	With SDD : 55G, IEC 60068-2-27, Half Sine, 11ms, Z Axis
Mounting Kit	VESA/Din Rail Kit
Drop	ISTA 2A, IEC-60068-2-32 Test : Ed, 1 Corner, 3 Edges, 6 Faces
Construction	Aluminum + Metal
Software Support	
OS Information	Win 10, Linux
Ordering Information	
Ordering Information	NUC [®] APL-34-B1-2R Intel [®] Celeron [®] Processor J3455 Fanless NUC Slim System NUC [®] APL-33-B1-2R Intel [®] Celeron [®] Processor N3350 Fanless NUC Slim System E1702031831R Australia Power Cord E1702031833R USA Power Cord E1702031834R Japan Power Cord E170P060380R UK Power Cord E1702031000R EU Power Cord



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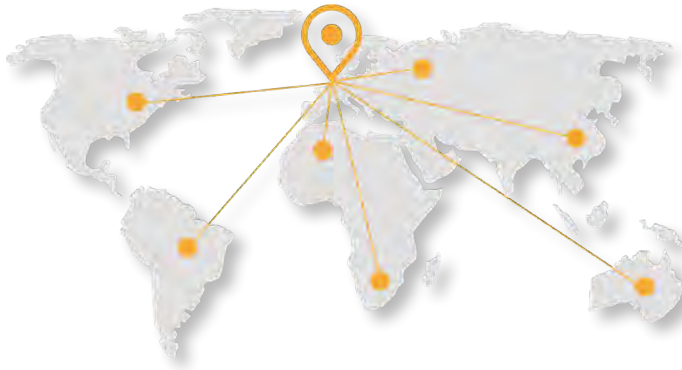
Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





Headquarters & Warehouse

Elektrostraat 17
NL-7483 PG Haaksbergen
The Netherlands

T: +31 (0)53 573 33 33
E: info@texim-europe.com
Homepage: www.texim-europe.com



The Netherlands

Elektrostraat 17
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33
E: nl@texim-europe.com



Belgium

Zuiderlaan 14, box 10
B-1731 Zellik

T: +32 (0)2 462 01 00
E: belgium@texim-europe.com



UK & Ireland

St Mary's House, Church Lane
Carlton Le Moorland
Lincoln LN5 9HS

T: +44 (0)1522 789 555
E: uk@texim-europe.com



Germany - North

Bahnhofstrasse 92
D-25451 Quickborn

T: +49 (0)4106 627 07-0
E: germany@texim-europe.com



Germany - South

Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
E: muenchen@texim-europe.com



Austria

Warwitzstrasse 9
A-5020 Salzburg

T: +43 (0)662 216 026
E: austria@texim-europe.com



Nordic

Søndre Jagtvej 12
DK-2970 Hørsholm

T: +45 88 20 26 30
E: nordic@texim-europe.com



Italy

Via Matteotti 43
IT-20864 Agrate Brianza (MB)

T: +39 (0)39 9713293
E: italy@texim-europe.com