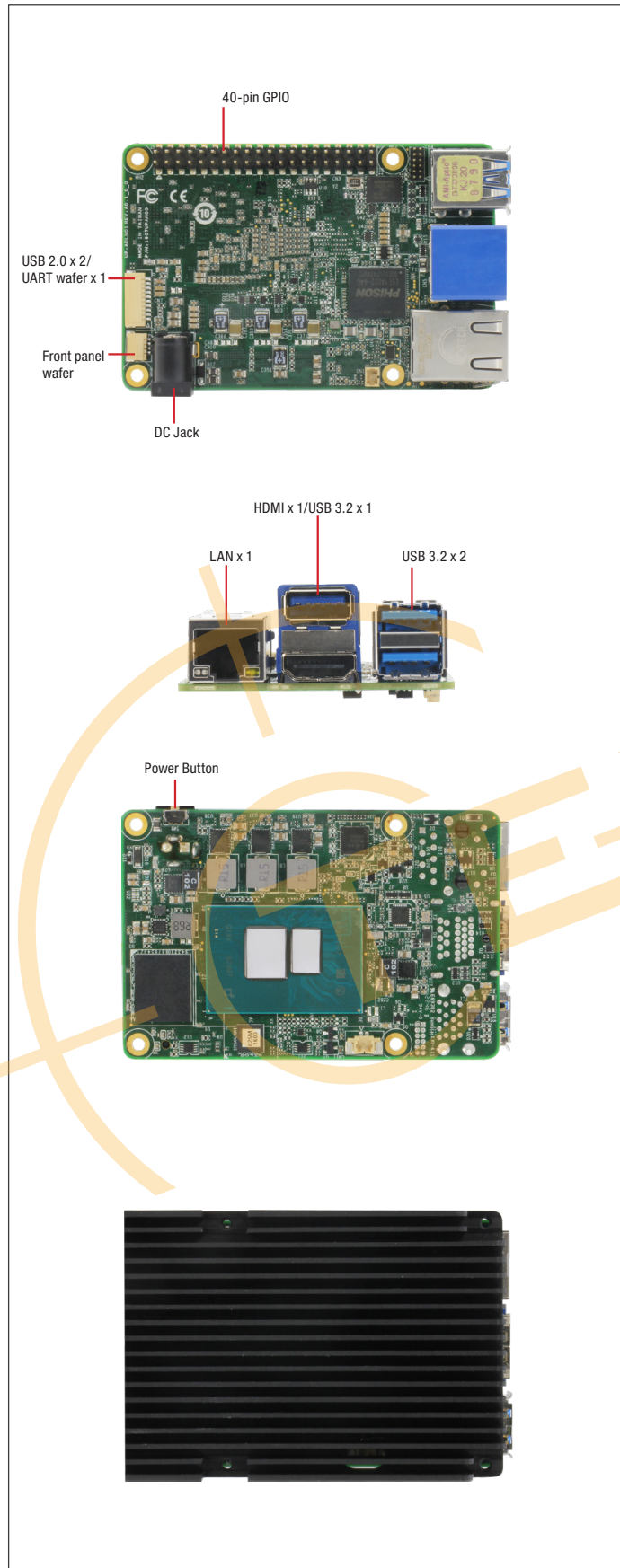


UP 7000

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UP 7000 Developer Board with Intel® Processor N-series Processor (formerly Alder Lake-N)



Features

- Intel® Processor N-series
- Onboard LPDDR5 Memory, up to 8GB
- Onboard eMMC Storage, up to 64GB
- 1Gigabit LAN x 1
- HDMI 1.4b x 1
- USB 3.2 Gen 2 (Type-A) x 3, 10-pin USB 2.0 x 2 / UART x 1
- 40-pin GPIO x 1
- 12V DC-in, 5A
- TPM 2.0



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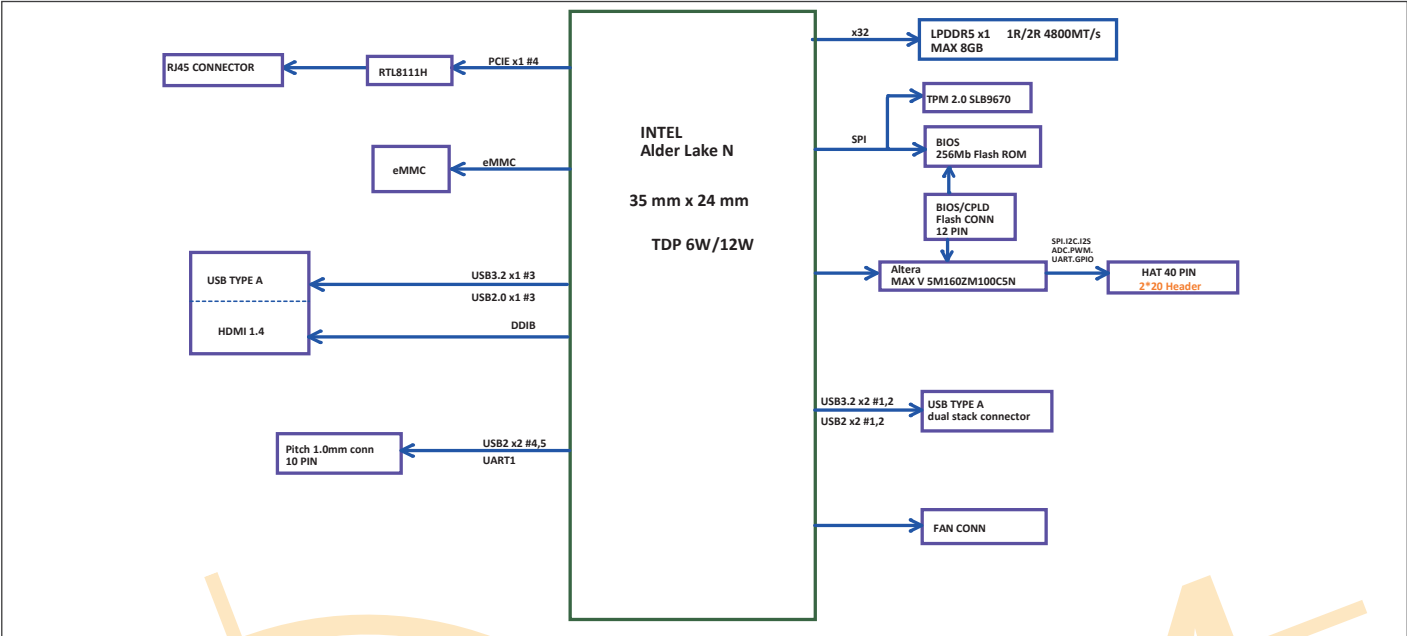


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Specifications

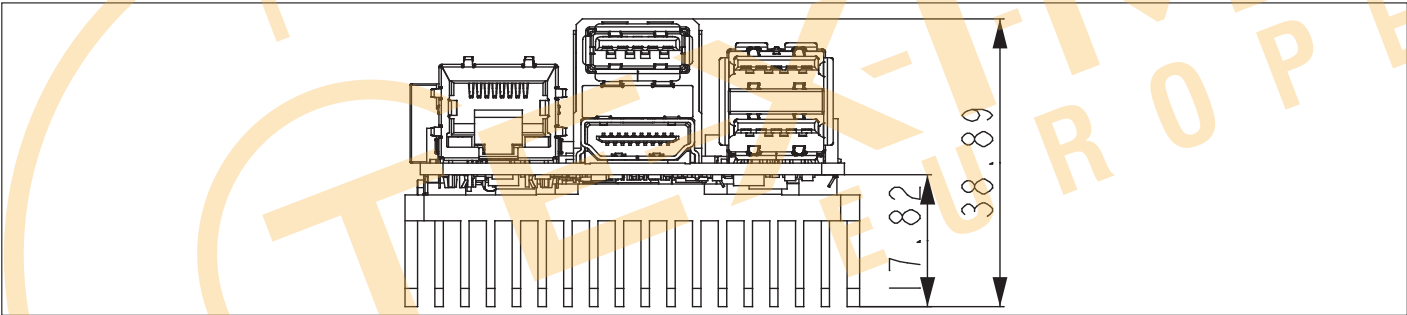
System	
Processor	Intel® Processor N200 Intel® Processor N97 Intel® Processor N100 Intel® Processor N50 (formerly Alder Lake-N)
Graphics	Intel® UHD Graphics
Memory	Dual-Channel LPDDR5, up to 8GB
Storage	Up to 64GB eMMC
I/O	HDMI 1.4b / USB 3.2 Gen 2 STACK Connector x 1 (Type-A) 4-pin Front Panel x 1 2-pin Fan Wafer x 1 (12V) 2-pin RTC Battery Wafer x 1
Camera	—
USB	USB 3.2 Gen 2 (Type-A) x 3 10-pin USB 2.0 x 2 / UART x 1
Expansion	40-pin GPIO x 1
Display Interface	HDMI 1.4b x 1
Ethernet	1GbE RJ-45 x 1 (Realtek RTL8111H CG)
Security	Onboard TPM 2.0
RTC	Yes
OS Support	Windows® 10 Enterprise LTSC 2021 Linux: Ubuntu 22.04 LTS / Kernel 5.15, Yocto 4.0
Power Requirement	
Power	12V DC-in, 5A
Power Supply Type	AT (default) / ATX
Power Consumption (Typical)	30~36W
Mechanical	
Dimension	3.34" x 2.20" (85mm x 56mm)
Net Weight	0.33 lb. (0.15Kg)
Gross Weight	0.44 lb. (0.20Kg)
Environment	
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C) / 0.5 airflow
Operation Humidity	0% ~ 90% relative humidity, non-condensing
MTBF	685,218 Hours
Certification	CE/FCC Class A, RoHS Compliant, REACH

Block Diagram



Dimension

Unit: mm



Ordering Information

PART NUMBER	CPU	CORE	TDP	LPDDR5	MEMORY
UP-ADLN50-A10-0432	N50	2	6W	4GB	32GB
UP-ADLN100-A10-0432	N100	4	6W	4GB	32GB
UP-ADLN100-A10-0864	N100	4	6W	8GB	64GB
UP-ADLN97-A10-0432	N97	4	12W	4GB	32GB
UP-ADLN97-A10-0864	N97	4	12W	8GB	64GB
UP-ADLN200-A10-0864	N200	4	6W	8GB	64GB

Optional Accessories

Part Number	Description
125530060L	PowerAdapter (TF)PowerAdapter.DC.100/240V.12V.5A.60W.Powertron.PS1065-120IB500.

Packing List

- UP 7000 with Passive Heatsink

Disclaimer

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

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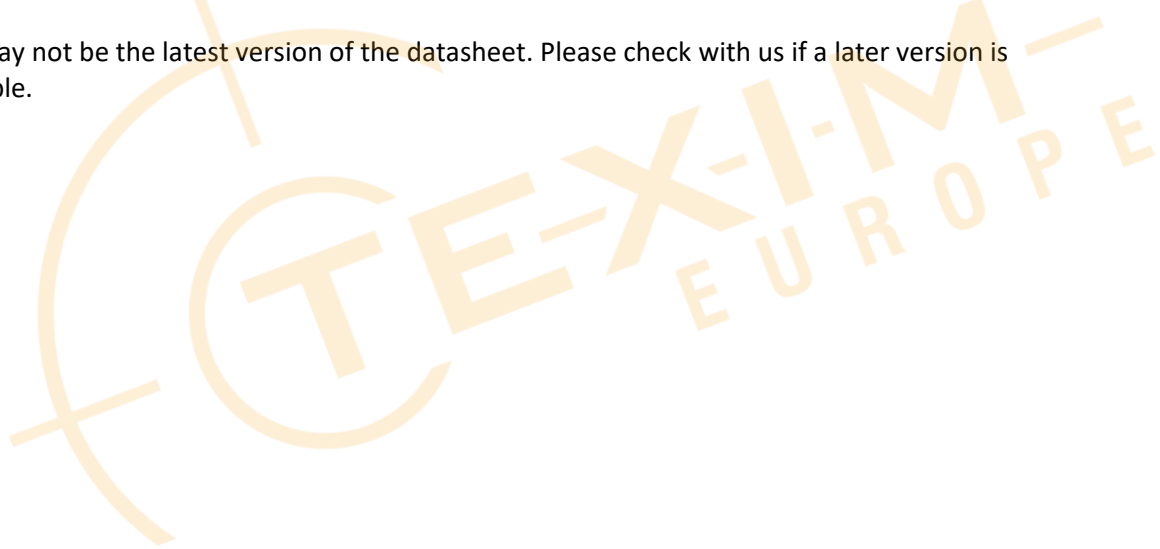
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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

Martin-Kollar-Strasse 9
D-81829 München

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