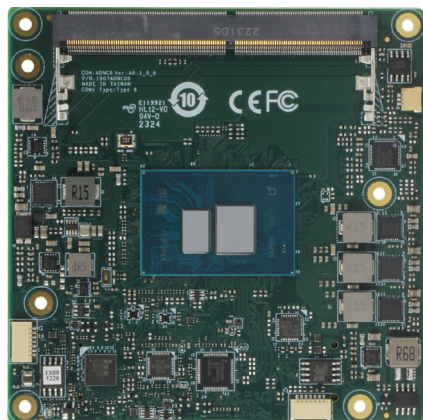




COM-ADNC6

COM Express Type 6 Compact Size with Intel Atom® X Series/N-series/Core™ i3 Processors



Features

- Intel Atom® X Series/N-series/Core™ i3-N305 CPU, max TDP 15W
- DDR5 SODIMM x 1, up to 16GB (non-ECC)
- Intel® Ethernet Controller I226-V/IT x 1
- SATA 6Gb/s x 2
- USB 2.0 x 8, USB 3.2 Gen 2 x 2
- PCIe [x4] (PCIe [x1] x 4 or [x2] x2), Up to 4 PCIe devices
- COM Express Type 6, Compact size, 95 x 95mm



Distributed by:



Specifications

System	
Form Factor	COM Express Type 6, Compact Size
CPU	Intel Atom® X Series/N-series/Core™ i3-N305 CPU Intel® Core™ i3-N305 (8C, up to 3.8 GHz, 15W) Intel Atom® x7425E (4C, up to 3.4 GHz, 12W) Intel Atom® x7211E (2C, up to 3.4 GHz, 6W) Intel® Processor N97 (4C, up to 3.6 GHz, 12W) Intel® Processor N50 (2C, up to 3.4 GHz, 6W)
Chipset	Integrated with Intel® SoC
Memory	DDR5 4800MHz Single Channel , SODIMM x1, up to 16GB
Onboard Storage	—
BIOS	AMI BIOS (UEFI)
Wake on LAN	Yes
Watchdog Timer	255 Levels
Dimension	3.74" x 3.74" (95mm x 95mm)
Security	TPM 2.0
Power	
Power Requirement	+12V and +5VSB for ATX, +12V for AT
Power Type	AT (default)/ATX, switch by BIOS
Power Consumption (Typical)	Intel® Core™ i3-N305, 1.57A @+12V
Display	
Graphics Controller	Intel® UHD Graphics
Video Output	3 Displays: 18/24-bit Single/Dual-Channel LVDS/eDP x 1, up to 1920 x 1080/ 3840 x 2160 DP x 2, up to 3840 x 2160
I/O	
Ethernet	Intel® Ethernet Controller I226-V or I226-IT 2.5GbE x 1
Audio	High Definition Audio Interface
USB Port	USB 2.0 x 8, USB 3.2 Gen 2 x 2
Serial Port	2-Wire UART x 2 (Tx/Rx)
HDD Interface	SATA 6Gb/s x 2
Expansion	PCIe [x1] x 4 or [x2] x 2, LPC, WDT, HWM
GPIO	8-bit
SMBus/I2C	I2C x 1, SMBus x 1
Environment	
Operating Temperature	-4°F ~ 158°F (-20°C ~ 70°C) -40°F ~ 185°F (-40°C ~ 85°C) on selected CPU SKU
Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
EMC	CE/FCC Class A
OS Support	Windows® 10 (64-bit) Linux Ubuntu 22.04.02/Kernel 5.19
Weight	0.26 lb. (0.12Kg)

Packing List

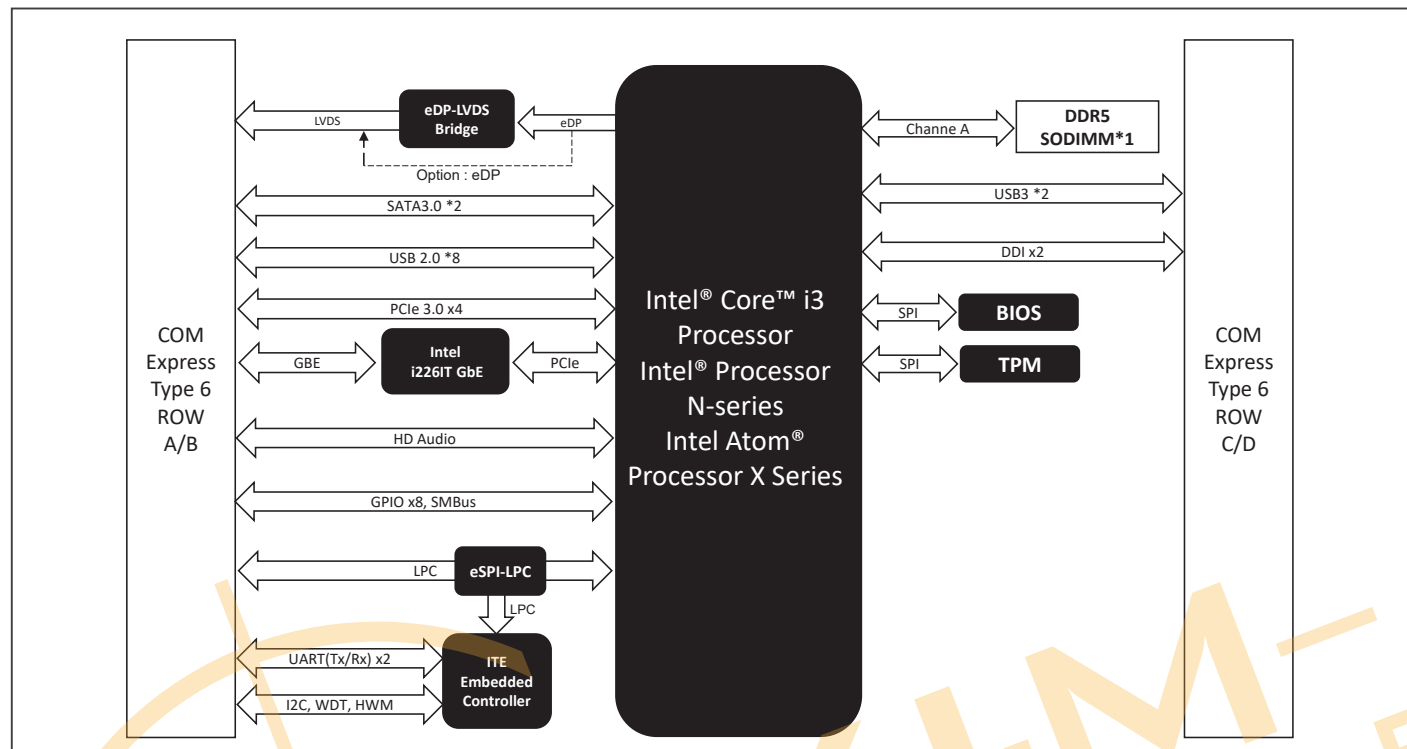
- COM-ADNC6 x 1

Optional Accessories

Part Number	Description
COM-ADNC6-FAN01	Cooler.95*95*29mm.4pin
COM-ADNC6-HSK01	Heat sink.AI.95x95x34mm.Silver
COM-ADNC6-HSP01	Heat Spreader.95*95*11mm
ECB-920A-A11-0001	COMe Type 6/10.Carrier Board.ATX.2.5GbE.8USB.2COM.4SATA.PCIe.AT/ATX. Rev.A1.1

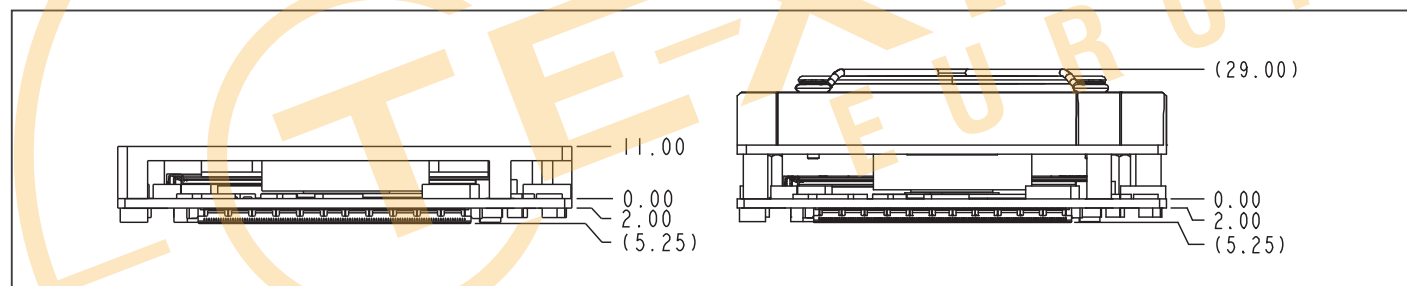


Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	COM Express Type	CPU	Memory	ECC support	Display	Storage	LAN	USB	UART	Expansion	Power	Temperature	Others
COM-ADNC6-A10-0001	Type 6	Intel® Core™ i3-N305	DDR5 SODIMM x 1	—	LVDS x 1, DDI x 2	SATA 6Gb/s x 2	Intel® Ethernet Controller I226-V x 1	USB 2.0 x 8, USB 3.2 Gen 2 x 2	2-Wire UART x 2 (Tx/Rx)	PCIe x4 lanes ([x1]*4 or [x2]*2)	12V	-20°C ~ 70°C	LPC, GPIO 8-bit, I2C, SMBus
COM-ADNC6-A10-0002	Type 6	Intel® Processor N97	DDR5 SODIMM x 1	—	LVDS x 1, DDI x 2	SATA 6Gb/s x 2	Intel® Ethernet Controller I226-V x 1	USB 2.0 x 8, USB 3.2 Gen 2 x 2	2-Wire UART x 2 (Tx/Rx)	PCIe x4 lanes ([x1]*4 or [x2]*2)	12V	-20°C ~ 70°C	LPC, GPIO 8-bit, I2C, SMBus
COM-ADNC6-A10-0003	Type 6	Intel® Processor N50	DDR5 SODIMM x 1	—	LVDS x 1, DDI x 2	SATA 6Gb/s x 2	Intel® Ethernet Controller I226-V x 1	USB 2.0 x 8, USB 3.2 Gen 2 x 2	2-Wire UART x 2 (Tx/Rx)	PCIe x4 lanes ([x1]*4 or [x2]*2)	12V	-20°C ~ 70°C	LPC, GPIO 8-bit, I2C, SMBus
COM-ADNC6-A10-0004	Type 6	Intel Atom® x7425E	DDR5 SODIMM x 1	—	eDP x 1, DDI x 2	SATA 6Gb/s x 2	Intel® Ethernet Controller I226-V x 1	USB 2.0 x 8, USB 3.2 Gen 2 x 2	2-Wire UART x 2 (Tx/Rx)	PCIe x4 lanes ([x1]*4 or [x2]*2)	12V	-20°C ~ 70°C	LPC, GPIO 8-bit, I2C, SMBus
COM-ADNC6W2-A10-0001	Type 6	Intel® Core™ i3-N305	DDR5 SODIMM x 1	—	LVDS x 1, DDI x 2	SATA 6Gb/s x 2	Intel® Ethernet Controller I226-IT x 1	USB 2.0 x 8, USB 3.2 Gen 2 x 2	2-Wire UART x 2 (Tx/Rx)	PCIe x4 lanes ([x1]*4 or [x2]*2)	12V	-40°C ~ 85°C	LPC, GPIO 8-bit, I2C, SMBus

Disclaimer

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

Texim Europe B.V. its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Texim"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Texim makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product.

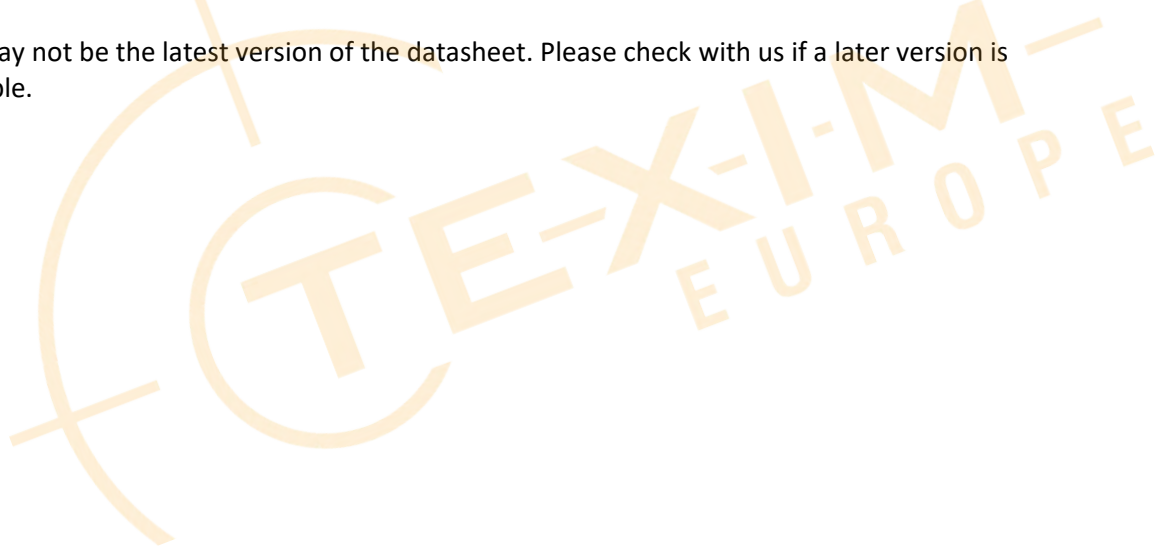
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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

Bahnhofstrasse 92
D-25451 Quickborn

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



Germany

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

Stockholmsgade 45
2100 Copenhagen

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