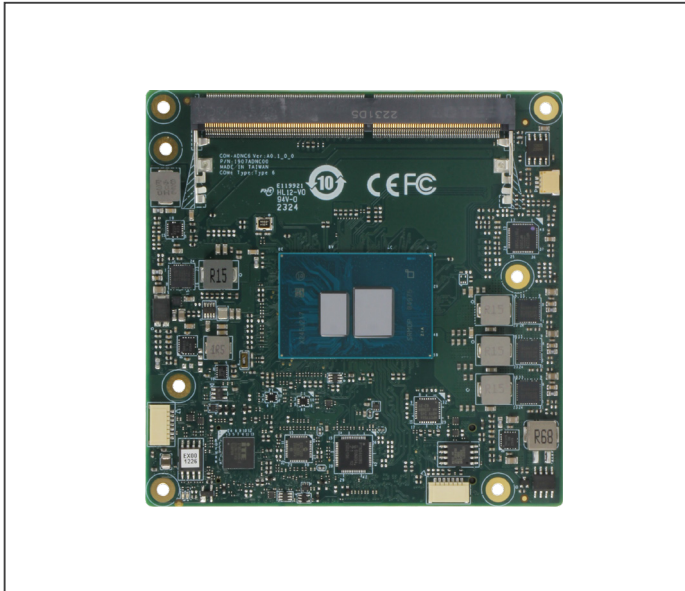




COM-ASLC6

COM Express Type 6 Compact Size with Intel Atom® X Series Processors



Features

- Intel Atom® X Series CPU, max TDP 12W
- 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 CPU Intel® Atom® x7835RE (8C, up to 3.6 GHz, 12W) Intel Atom® x7433RE (4C, up to 3.4 GHz, 9W) Intel Atom® x7213RE (2C, up to 3.4 GHz, 9W) Intel Atom® x7211RE (2C, up to 3.2 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 Atom® x7835RE, 1.94A@+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	-40°F ~ 185°F (-40°C ~ 85°C)
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® 11 (64-bit) Linux Ubuntu 22.04.02/Kernel 5.19
Weight	0.26 lb. (0.12Kg)

Packing List

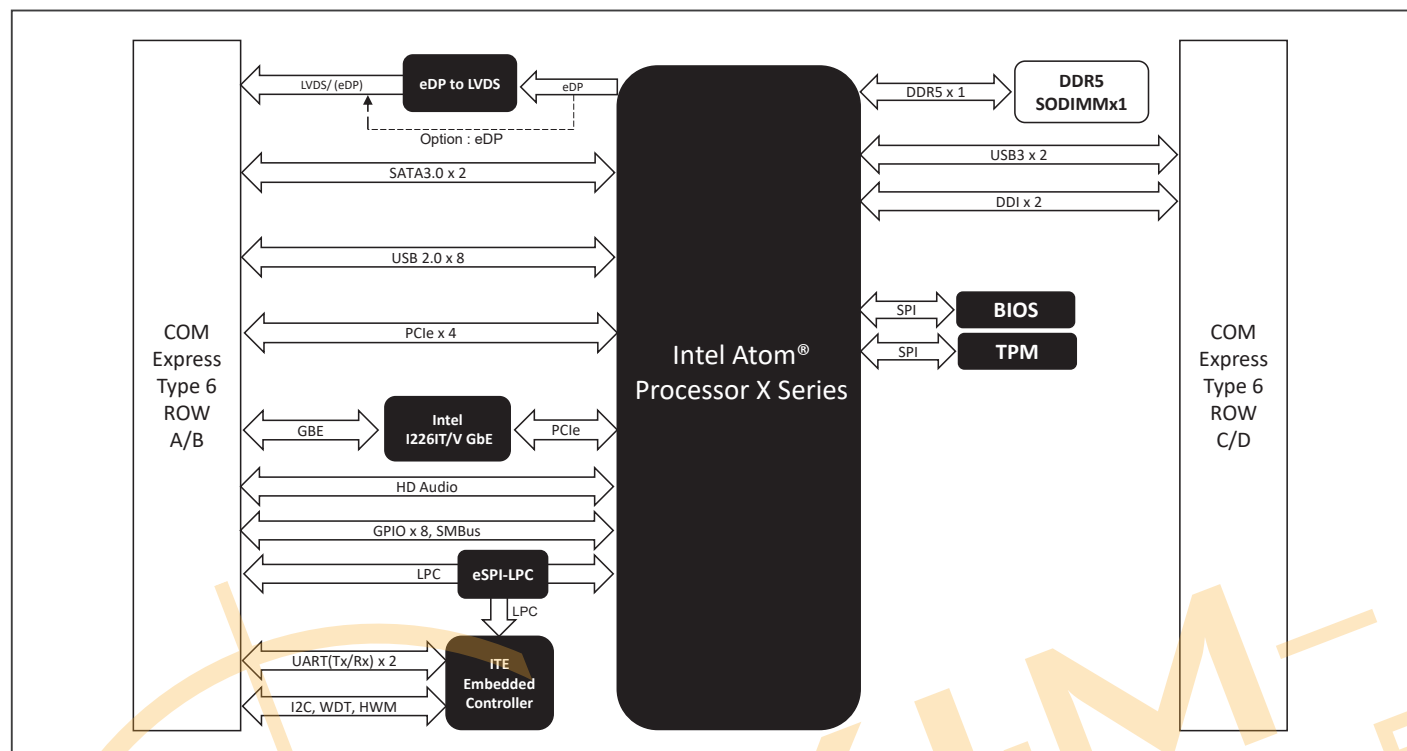
- COM-ASLC6 x 1

Optional Accessories

Part Number	Description
COM-ADNC6-FAN01	Cooler.95*95*29mm.4pin
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

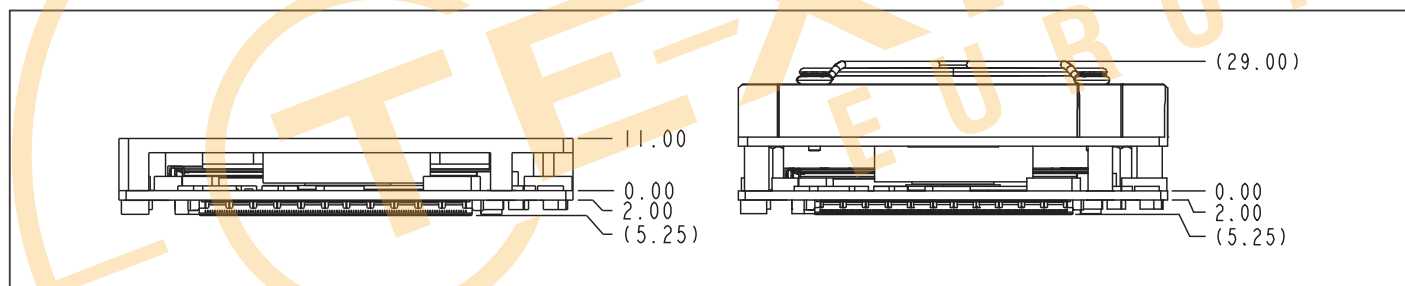


Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	Com Express Type	CPU	Memory	ECC Support	Display	Storage	LAN	USB	UART	Expansion	Power	Temperature	Others
COM-ASLC6W2-A10-0001	Type 6	Intel® Atom®x7835RE	DDR5 SODIMM x 1	—	LVDS x 1, DP 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
COM-ASLC6W2-A10-0002	Type 6	Intel® Atom®x7433RE	DDR5 SODIMM x 1	—	LVDS x 1, DP 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
COM-ASLC6W2-A10-0003	Type 6	Intel® Atom®x7213RE	DDR5 SODIMM x 1	—	LVDS x 1, DP 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
COM-ASLC6W2-A10-0004	Type 6	Intel® Atom®x7211RE	DDR5 SODIMM x 1	—	eDP x 1, DP 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

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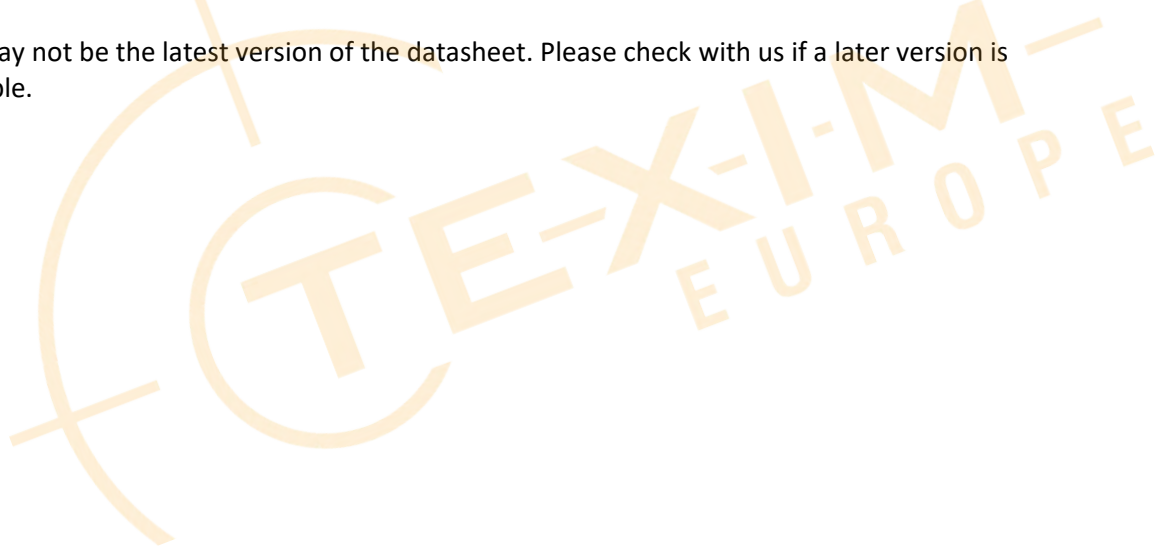
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Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

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.





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