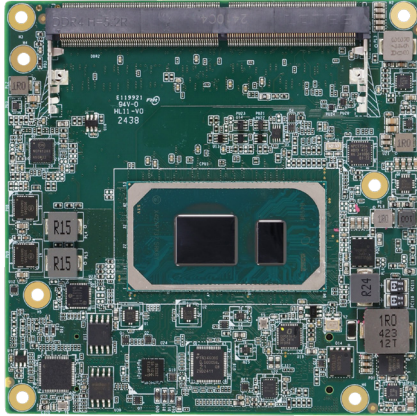


COM-TGUC6 Rev.C

COM Express Type 6 Compact Size with 11th Gen Intel® Core™/Celeron® Processors



Features

- DDR4 3200MHz SODIMM x 2, up to 64GB
- VGA x 1, LVDS x 1, DDI x 3
- USB 2.0 x 8, USB 3.2 Gen2 x 4
- PCIe [x1] x 5, PEG [x4] x 1
- Intel® Ethernet Controller I226 2.5GbE x 1
- COM Express Type 6, 3.74" x 3.74" (95mm x 95mm)



Specifications

System	
Form Factor	COM Express Compact Size, Type 6
CPU	11th Generation Intel® Core™ Processors: Intel® Core™ i7-1185G7E (4C/8T, 1.8 GHz, 15W) Intel® Core™ i3-1115G4E (2C/4T, 2.20 GHz, 15W) Intel® Core™ i7-1185GRE (4C/8T, 1.8 GHz, 15W)
Chipset	Integrated with Intel® SoC
Memory	DDR4 3200MHz Dual channel , SODIMM x 2, up to 64GB
Onboard Storage	—
BIOS	AMI 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/ATX
Power Consumption (Typical)	Intel® Core™ i7-1185G7E, 3.22A @+12V
Display	
Graphics Controller	Intel® Iris® Xe Graphics Intel® UHD Graphics
Video Output	4 Simultaneous Displays: DDI x 3, up to 3840 x 2160 18/24-bit Single/Dual-Channel LVDS/eDP x 1, up to 1920 x 1080 / 3840 x 2160 VGA x 1, up to 1920 x 1080
I/O	
Ethernet	Intel® Ethernet Controller I226, 2.5GbE x 1
Audio	High Definition Audio Interface
USB Port	USB 2.0 x 8, USB 3.2 Gen 2 x 4
Serial Port	2-Wire UART x 2 (Tx/Rx)
HDD Interface	SATA 6Gb/s x 2
Expansion	PEG 3.0 [x4] x 1 PCIe 3.0 [x1] x 5 LPC x 1
GPIO	8-bit
SMBus/I2C	I2C x 1, SMBus x 1

Environment	
Operating Temperature	32°F ~ 140°F (0°C ~ 60°C) WiTAS 2: -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)
Weight	0.44 lb. (0.20Kg)

Packing List

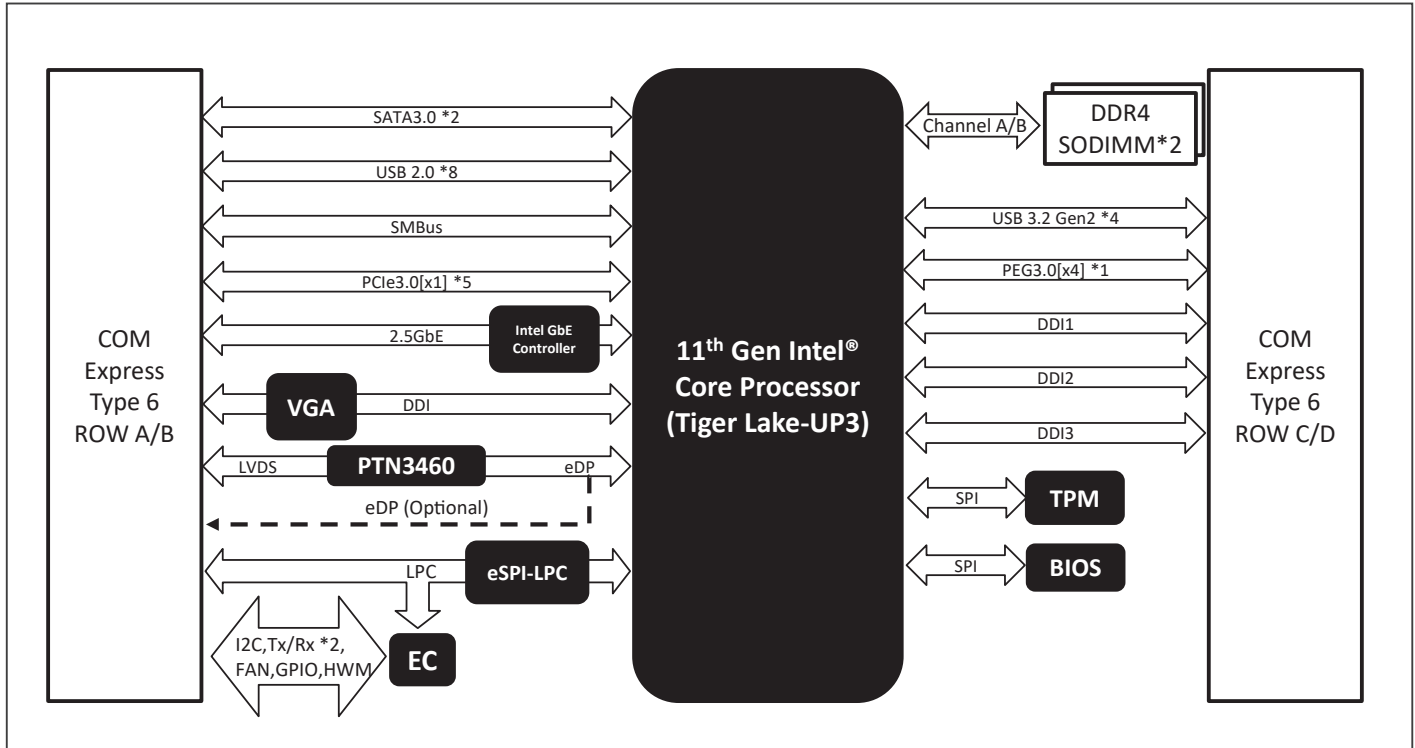
- COM-TGUC6 Rev.C

Optional Accessories

Part Number	Description
ECB-920A-A11-0001	COMe Type 6/10.Carrier Board.ATX.2.5GbE.8USB.2COM.4SATA.PCIe.AT/ATX. Rev.A1.1
COM-TGUC6-FAN01	Cooler.95mm x 95mm x 24mm.4pin
COM-TGUC6-HSP02	Heat Spreader.95mm x 95mm x 11mm.Black.for COM-TGUC6 Rev.C

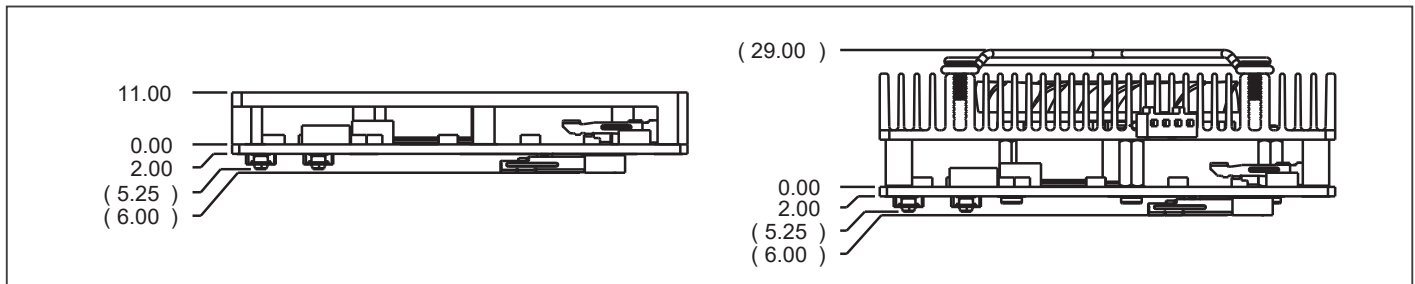


Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	COM Express Type	CPU	Memory	ECC support	Display	Storage	LAN	USB	UART	Expansion	Power	Temperature	Others
COM-TGUC6-C10-0001	Type 6	Intel® Core™ i7-1185G7E	DDR4 SODIMM x 2	—	VGA x 1, LVDS(or eDP) x 1, DDI x 3	SATA III x 2	Intel® Ethernet Controller I226-IT x 1	USB 2.0 x 8, USB 3.2 Gen 2 x 4	2-Wire UART x 2 (Tx/Rx)	PCIe [x1] x 5 PCIe [x4] x 1	12V	0°C ~ 60°C	LPC, GPIO 8-bit, I2C, SMBus
COM-TGUC6-C10-0003	Type 6	Intel® Core™ i3-1115G4E	DDR4 SODIMM x 2	—	VGA x 1, LVDS(or eDP) x 1, DDI x 3	SATA III x 2	Intel® Ethernet Controller I226-IT x 1	USB 2.0 x 8, USB 3.2 Gen 2 x 4	2-Wire UART x 2 (Tx/Rx)	PCIe [x1] x 5 PCIe [x4] x 1	12V	0°C ~ 60°C	LPC, GPIO 8-bit, I2C, SMBus
COM-TGUC6W2-C10-0001	Type 6	Intel® Core™ i7-1185GRE	DDR4 SODIMM x 2	—	VGA x 1, LVDS(or eDP) x 1, DDI x 3	SATA III x 2	Intel® Ethernet Controller I226-IT x 1	USB 2.0 x 8, USB 3.2 Gen 2 x 4	2-Wire UART x 2 (Tx/Rx)	PCIe [x1] x 5 PCIe [x4] x 1	12V	-40°C ~ 85°C	LPC, GPIO 8-bit, I2C, SMBus