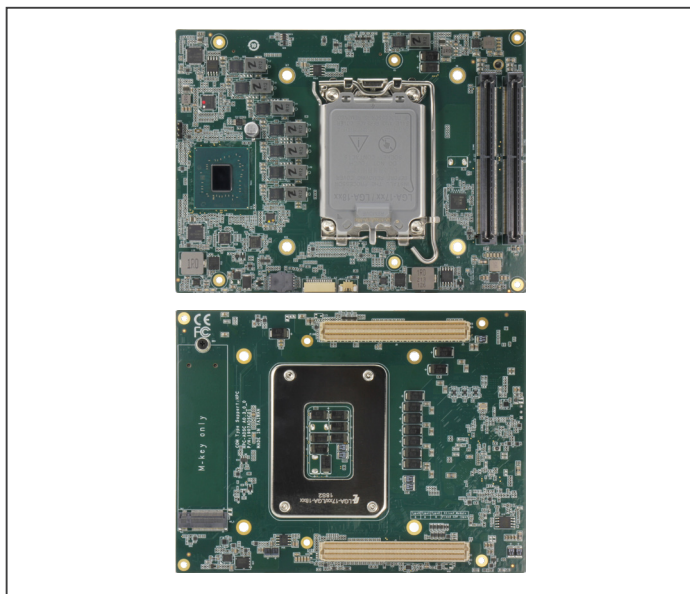


HPC-RPSC

12th/13th/14th Gen & Series 2 Intel® Core™ Processor



Features

- DDR5 5600 MHz, Dual Channel SODIMM x 2, up to 64GB
- USB 2.0 x 8, USB 3.2 x 6
- PCIe [x1] x 8, PCIe [x4] x 3, PEG [x16] x 1
- Intel® I226-LM 2.5GbE x 2
- M.2 2280 M-Key x 1
- COM HPC Client Type, Size C, 6.30" x 4.72" (160mm x 120mm)



Specifications

System	
Form Factor	COM HPC Client Size C
CPU	12th/13th/14th Gen Intel® Core™ Processor Intel® Core™ processors (Series 2)
Chipset	Intel® R680E
Memory	DDR5 5600 MHz, Dual Channel SODIMM x 2, up to 64GB(ECC)
Onboard Storage	—
BIOS	AMI UEFI
Wake on LAN	Yes
Watchdog Timer	255 Levels
Dimension	6.30" x 4.72" (160mm x 120mm)
Security	TPM 2.0
Power	
Power Requirement	+12V and +5VSB for ATX, +12V for AT
Power Type	AT/ATX
Power Consumption (Typical)	Intel® Core™ i9-13900E, 7.13A @+12V
Display	
Graphics Controller	Intel® UHD Graphics 770
Video Output	4 Simultaneous Displays: eDP x 1, up to 3840 x 2160 @60Hz DDI x 3, up to 3840 x 2160 @144Hz
I/O	
Ethernet	Intel® Ethernet Controller I226-LM 2.5GbE x 2
Audio	High Definition Audio Interface
USB Port	USB 2.0 x 8 USB 3.2 Type-C x 2 (20Gbps x 2) USB 3.2 Type-A x 4 (10Gbps)
Serial Port	4-Wire UART x 2 (Tx/Rx)
HDD Interface	SATA III x 2
Expansion	PEG 5.0 [x16] x 1 PCIe 4.0 [x4] x 3 PCIe 3.0 [x1] x 8 eSATA x 1 LPC x 1 M.2 2280 M-Key x 1
GPIO	12-bit
SMBus/I2C	I2C x 2, SMBus x 1
Environment	
Operating Temperature	32°F ~ 140°F (0°C ~ 60°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® 10 (64-bit) Linux Ubuntu 20.04.1/Kernel 5.15
Weight	0.66 lb. (0.30Kg)

Packing List

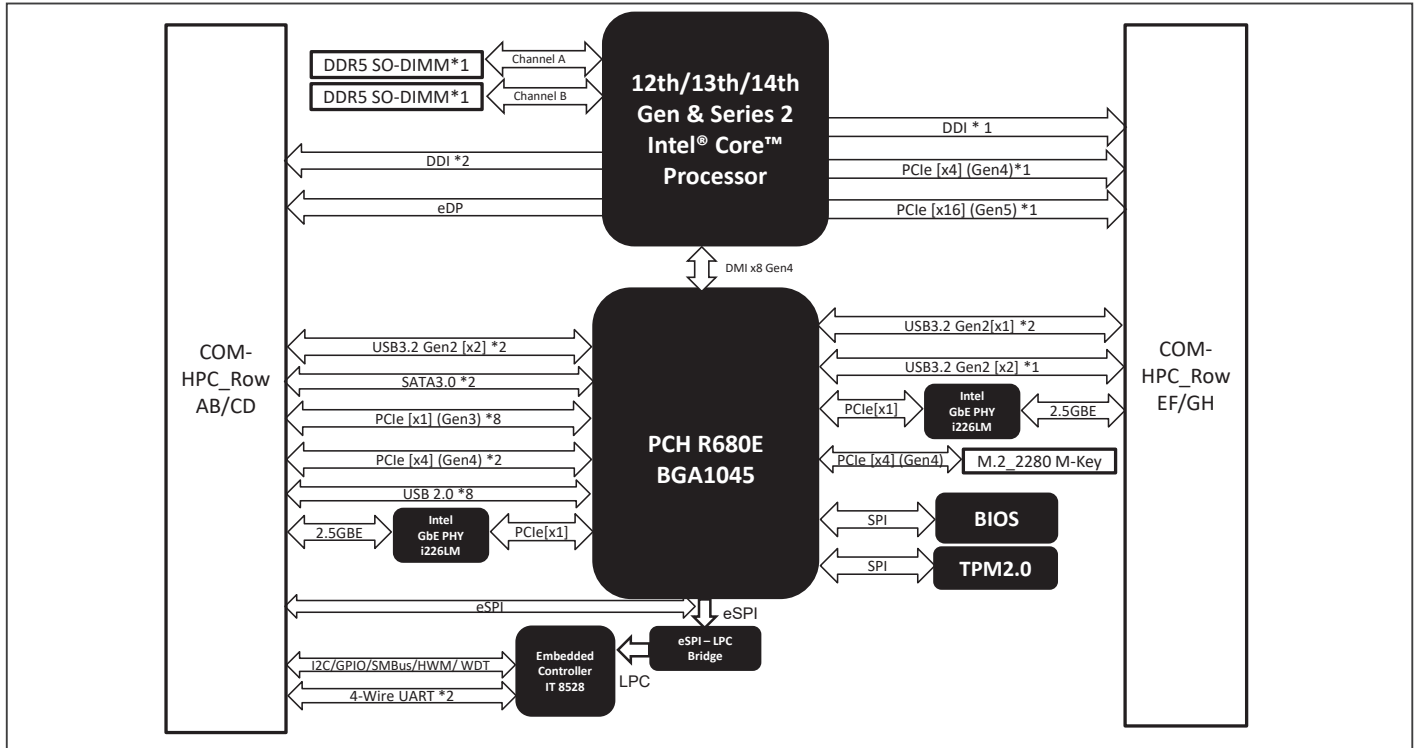
- HPC-ADSC/HPC-RPSC

Optional Accessories

Part Number	Description
ECB-980A-A11-0001	COM HPC Client Carrier, Size A/B/C, HDMI, DP, 2GbE, 3USB(TypeC), 2SATA, PCIe, ATX, A1.1
HPC-RPSC-FAN01	Cooler, 90mm x 90mm x 50mm, 4pin

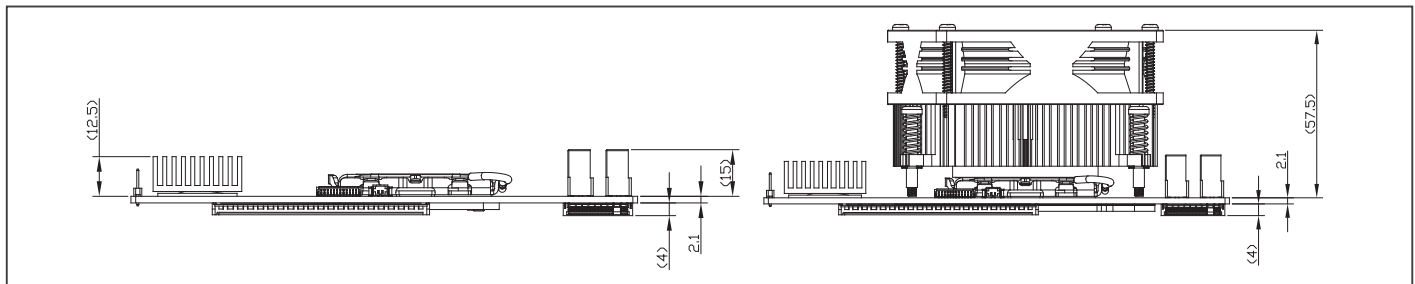


Block Diagram



Dimension

Unit: mm



Ordering Information

Part Number	COM Express Type	CPU	Memory	ECC support	Display	Storage	LAN	USB	UART	Expansion	Power	Temperature	Others
HPC-RPSC-A11-0001	HPC Client Size C	12th/13th/14th Gen & Series 2 Intel® Core™ Processor	DDR5 SODIMM x 2	Yes	eDP x 1, DDI x 3	SATA III x 2	Intel® I226-LM x 2	USB 2.0 x 8 USB 3.2 Type-C x 2 (20Gbps x 2) USB 3.2 Type-A x 4 (10Gbps)	4-Wire UART x 2 (Tx/Rx)	PEG [x16] x 1 PCIe [x4] x 3 PCIe [x1] x 8	12V	0°C ~ 60°C	LPC, GPIO 12-bit, I2C, SMBus, SPI