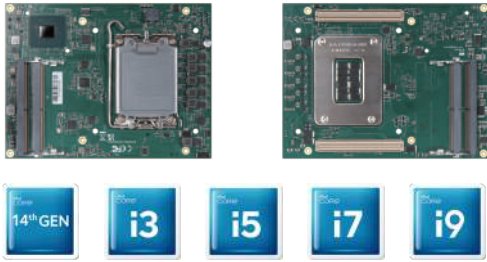


PCOM-B885

COM-HPC® Client module Size C module with Intel® 13th/14th Gen socket type processor (Code Name: Raptor Lake-S Refresh) DDR5 SO-DIMM, DDI, PCIe Gen 5, USB 3.2 Gen2, 2.5G Ethernet, discrete TPM 2.0, eDP, SATA



FEATURES

- 13th/14th Gen Intel® Core™ , Pentium®, Celeron® series socket type processors in Intel® 7 lithography
- Up to 8x performance core + 16x efficient core, and up to 32x graphic execution units
- 4x DDR5 ECC/non-ECC SO-DIMM up to 192GB capacities
- 1x PCIe Gen5 x16, 2x Gen4 x4, 3x PCIe Gen3 x4, 6x PCIe Gen3 x1
4x USB3.2 Gen2 x2, 2x SATA, 3x DDI, eDP



PCOM-B885 is COM-HPC module based on Intel® 13th/14th Core™ platform. It is compatible with COM-HPC 1.15 standard. The platform adopts Intel 7 lithography and VNNI instruction set, offers advance computing power with 35~65W thermal and embedded use condition for wide range application. PCOM-B885 supports PCIe Gen5 up to 16x lanes, and 4x ECC/Non-ECC DDR5 SO-DIMM(memory capacity up to 192GB), which is suit for mission critical use conditions and AI edge computing. This module also provides 2x PCIe Gen4 x4 and 18x PCIe Gen3 lanes, 4x USB 3.2 Gen2 x2, and 2x SATA. The complete and flexible I/O capacity also mapped to wide range of industrial applications.

CPU and General

Product	PCOM-B885									
Form Factor	COM HPC Client, Size C (160 x 120mm)									
CPU SKU	TDP	Core (P+E)	Threads	Cache	Base Freq	Max Turbo Freq	Max Memory MT/s	ECC	vPro	PEG Bifurcation
i9-14900	65 W	8 + 16	32	36 MB	2.0 Ghz	5.8 Ghz	3600 (2DPC)	R680E	R680E Q670E	R680E Q670E
i9-14900T	35 W	8 + 16	32	36 MB	1.1 Ghz	5.5 Ghz				
i7-14700	65 W	8 + 12	28	33 MB	2.1 Ghz	5.4 Ghz				
i7-14700T	35 W	8 + 12	28	33 MB	1.3 Ghz	5.2 Ghz				
i5-14500	65 W	6 + 8	20	24 MB	2.6 Ghz	5.0 Ghz				
i5-14500T	35 W	6 + 8	20	24 MB	1.7 Ghz	4.8 Ghz				
i5-14400	65 W	6 + 4	16	20 MB	2.5 Ghz	4.7 Ghz		N/A	N/A	
i5-14400T	35 W	6 + 4	16	20 MB	1.5 Ghz	4.5 Ghz				
i3-14100	60 W	4 + 0	8	12 MB	3.5 Ghz	4.7 Ghz				
i3-14100T	35 W	4 + 0	8	12 MB	2.7 Ghz	4.4 Ghz				
Processor 300	46 W	2 + 0	4	6 MB	3.9 Ghz	3.9 Ghz		R680E		
Processor 300T	35 W	2 + 0	4	6 MB	3.4 Ghz	3.4 Ghz				

I/O Interface

SATA	2x SATA III		
USB	4x USB 3.2 Gen2 x2 8x USB 2.0		
Ethernet	2x Intel® I226 series		
Serial I/O	GPIO	12 bit GPIO (default 6 input/6 output)	
	I ² C	Baud Rate : 400KHz	
	SMBus	Baud Rate : 100KHz	
	UART	TX/RX signal only	
PCIe lane	1x PCIe Gen5 x16 (bifurcation 2 x8) 2x PCIe Gen4 x4 3x PCIe Gen3 x4 + 6x PCIe Gen3 x1		
Display	Module display interface	Carrier output options	Resolution
	eDP	eDP up to HBR3	3840 x 2160@120Hz
	DDI 0/1/2	DP up to HBR3	3840 x 2160@120Hz
		DP up to HBR3	3840 x 2160@120Hz
Security	TPM 2.0		

