

FEATURES

- Intel® Core™ Ultra Series 200U/H SoC Platform
- Support 1x PCIe Gen5 x8, 2x PCIe Gen4 x4 and 12x PCIe Gen4 x1
- 2x DDR5 C/SO-DIMM up to 96GB 6400 MT/s (non-ECC)
- 2x USB4, 2x USB3.2 Gen2, 2x SATA, 3x DDI, eDP
- Options for onboard PCIe NVMe SSD



CPU and General

Product	PCOM-B886								
Form Factor	COM-HPC® Client Size-B (120x120mm)								
CPU	Ultra 9 285H	Ultra 7 265H	Ultra 7 255H	Ultra 5 235H	Ultra 5 225H	Ultra 7 265U	Ultra 7 255U	Ultra 5 235U	Ultra 5 225U
Core/Thread	6P+8E+2LPE/16T			4P+8E+2LPE/14T		2P+8E+2LPE/12T			
Based Frequency	2.9(P)+2.7(E)	2.2(P)+1.7(E)	2(P)+1.5(E)	2.4(P)+1.8(E)	1.7(P)+1.3(E)	2.1(P)+1.7(E)	2.0(P)+1.7(E)	2.0(P)+1.6(E)	1.5(P)+1.3(E)
Turbo Frequency	5.4	5.3	5.1	5	4.9	5.3	5.2	4.9	4.8
Cache	24	24	24	18	18	12	12	12	12
TDP	65/45/35	65/28/20				28/15/12			
Graphics EU	128	128	128	128	112	64	64	64	64
Graphics Max Freq.	2.35	2.3	2.25	2.25	2.2	2.1	2.1	2.05	2
PCH	SoC								
Memory Type/Speed	2x DDR5 C/SO-DIMM up to 96GB 6400MT/s								
ECC Memory Support	IB ECC								
Temperature Range	0 ~ 60 °C (32.0 ~ 140.0 °F)								
BIOS	AMI BIOS								
Storage	PCIe(NVMe) SSD up to 1TB								

I/O Interface

SATA	2x SATA III		
USB	2x USB4 2x USB 3.2 Gen2 8x USB 2.0		
Ethernet	2x 2.5 Gbe LAN		
PCIe	1x Gen5 x8 3x Gen4 x4 4x Gen4 x1		
Serial I/O	12x GPIO 2x I ² C 2x UART 1x SMBus		
Security	TPM 2.0		
Display	Interface on Module	Carrier Output Option	Resolution
	eDP	eDP up to HBR3	3840 x 2160@120Hz
	DDI 1/2/3	DP up to HBR3	3840 x 2160@120Hz

MECHANICAL & ENVIRONMENT

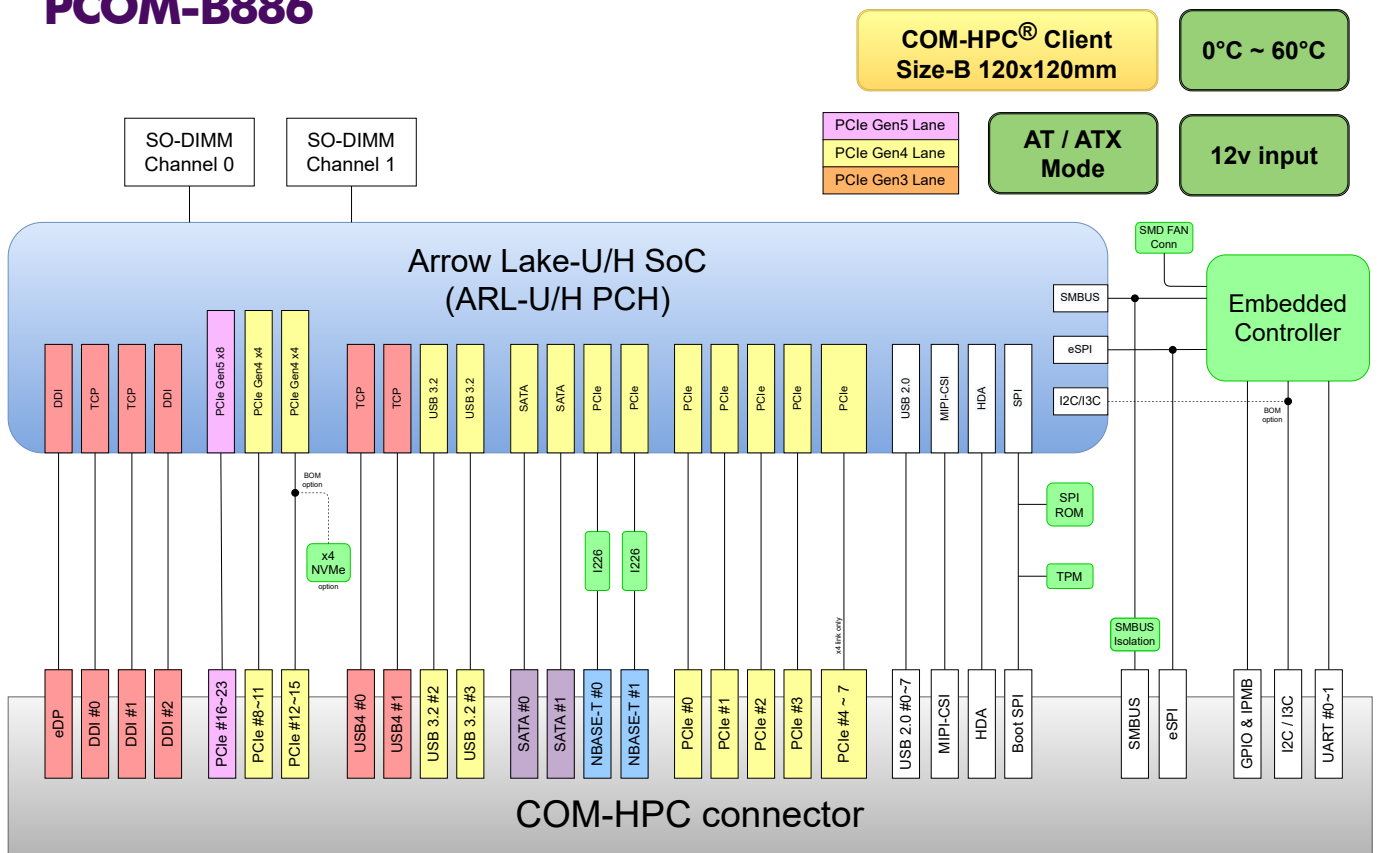
Dimension	120 mm x 120 mm (4.72" x 4.72")
Operating Temperature	0 ~ 60 °C (32.0 ~ 140.0 °F)
Storage Temperature	-40 ~ 85 °C (-40.0 ~ 185.0 °F)
Certification	CE Marking/ FCC/ UKCA
OS	Windows 11/ Ubuntu
Portwell Special Feature	PET API

ORDERING GUIDE

Product	P/N	Status
PCOM-B886-285H	TBD	In Development
PCOM-B886-265H	TBD	In Development
PCOM-B886-255H	TBD	In Development
PCOM-B886-235H	TBD	In Development
PCOM-B886-225H	TBD	In Development
PCOM-B886-265U	TBD	In Development
PCOM-B886-255U	TBD	In Development
PCOM-B886-235U	TBD	In Development
PCOM-B886-225U	TBD	In Development

BLOCK DIAGRAM

PCOM-B886



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