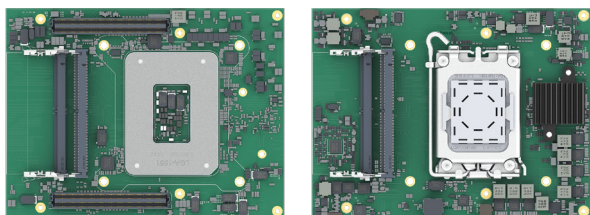


PCOM-B887

FEATURES



- Intel® Core™ Ultra Series 200S socket CPU processor
- Support PCIe Gen5 x16, PCIe Gen5 x4, PCIe Gen4
- 4x DDR5 SODIMM/CSODIMM up to 192GB 4800 MT/s
- 1x USB4, 3x USB 3.2 Gen2, 2x SATA, 3x DDI, eDP
- Integrated NPU for dedicated AI acceleration



CPU and General

Product	PCOM-B887							
Form Factor	COM-HPC® Client Size C (160 x 120mm)							
CPU	Ultra 9 285	Ultra 9 285T	Ultra 7 265	Ultra 7 265T	Ultra 5 245	Ultra 5 245T	Ultra 5 225	Ultra 5 225T
Core/Thread	8P + 16E/24T		8P + 12E/20T		6P + 8E/14T		6P + 4E/10T	
Based Frequency	2.5	1.4	2.4	1.5	3.5	2.2	3.3	2.5
Turbo Frequency	5.6	5.4	5.3	5.3	5.1	5.1	4.9	4.9
Cache	36	36	30	30	24	24	20	20
TDP	65	35	65	35	65	35	65	35
Graphics EU	64	64	64	64	48	48	32	32
Graphics Max Freq.	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
PCH	W880/Q870							
Memory Type/Speed	4x DDR5 SODIMM/CSODIMM up to 192GB 4800MT/s							
ECC Memory Support	only with W880						-	-
Temperature Range	0 ~ 60 °C (32.0 ~ 140.0 °F)							
BIOS	AMI BIOS							

I/O Interface

SATA	2x SATA III		
USB	1x USB4 3x USB 3.2 Gen2 8x USB 2.0		
Ethernet	2x 2.5Gbe LAN		
PCIe	1x Gen5 x16 1x Gen5 x4 3x Gen4 x4 1x Gen4 x2 8x Gen4 x1		
Legacy 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

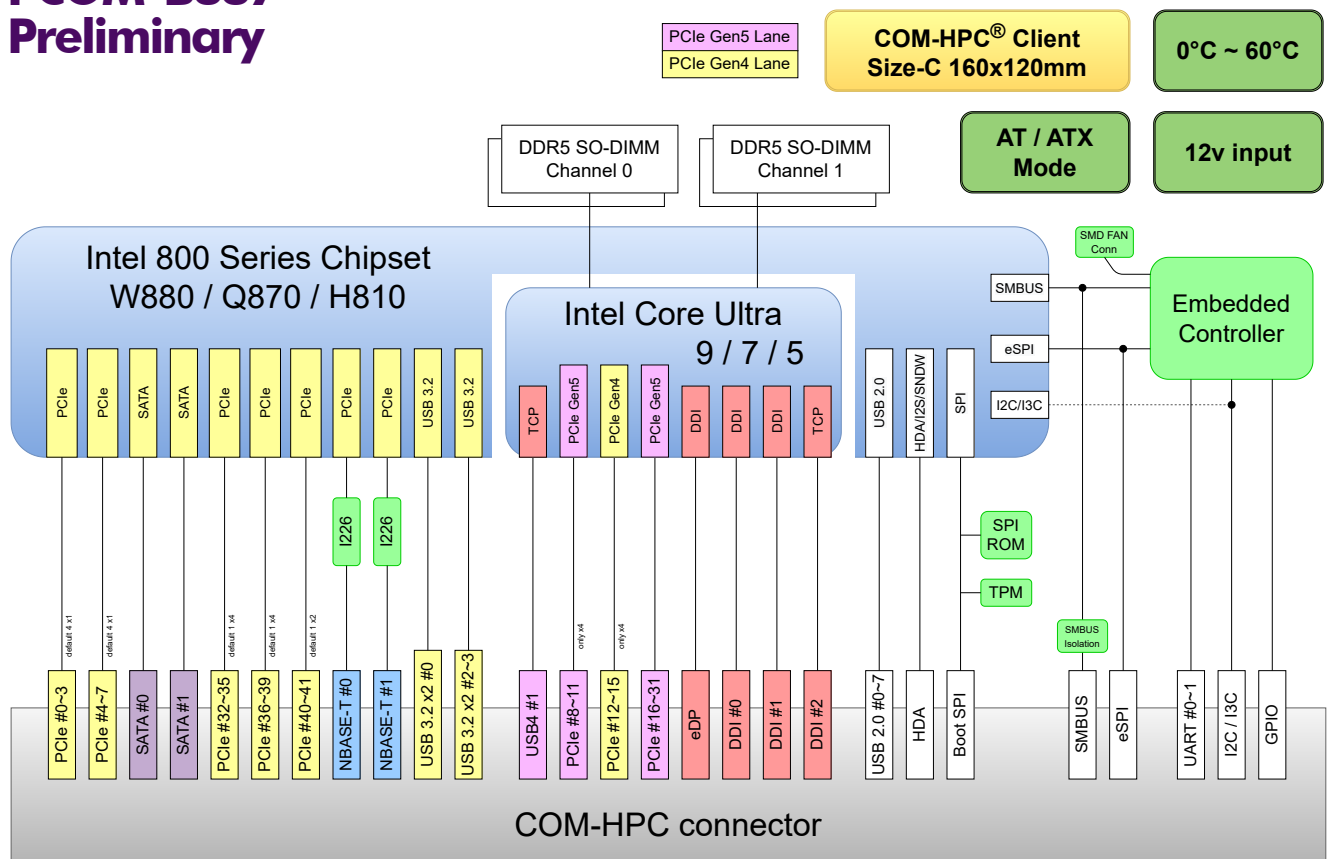
Dimension	160 mm x 120 mm (6.3" x 4.72")
Operating Temperature	0 ~ 60 °C (32.0 ~ 140.0 °F)
Storage Temperature	-40 ~ 85 °C (-40.0 ~ 185.0 °F)
Certification	CE Marking/ FCC/ UKCA
OS	Windows 11/ Ubuntu
Portwell Special Feature	PET API

ORDERING GUIDE

Product	P/N	Status
PCOM-B887-W880	In Process	In Development
PCOM-B887-Q870	In Process	In Development

BLOCK DIAGRAM

PCOM-B887 Preliminary



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