

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 SODIMM/CSODIMM 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 SODIMM/CSODIMM 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 2.5Gbe 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

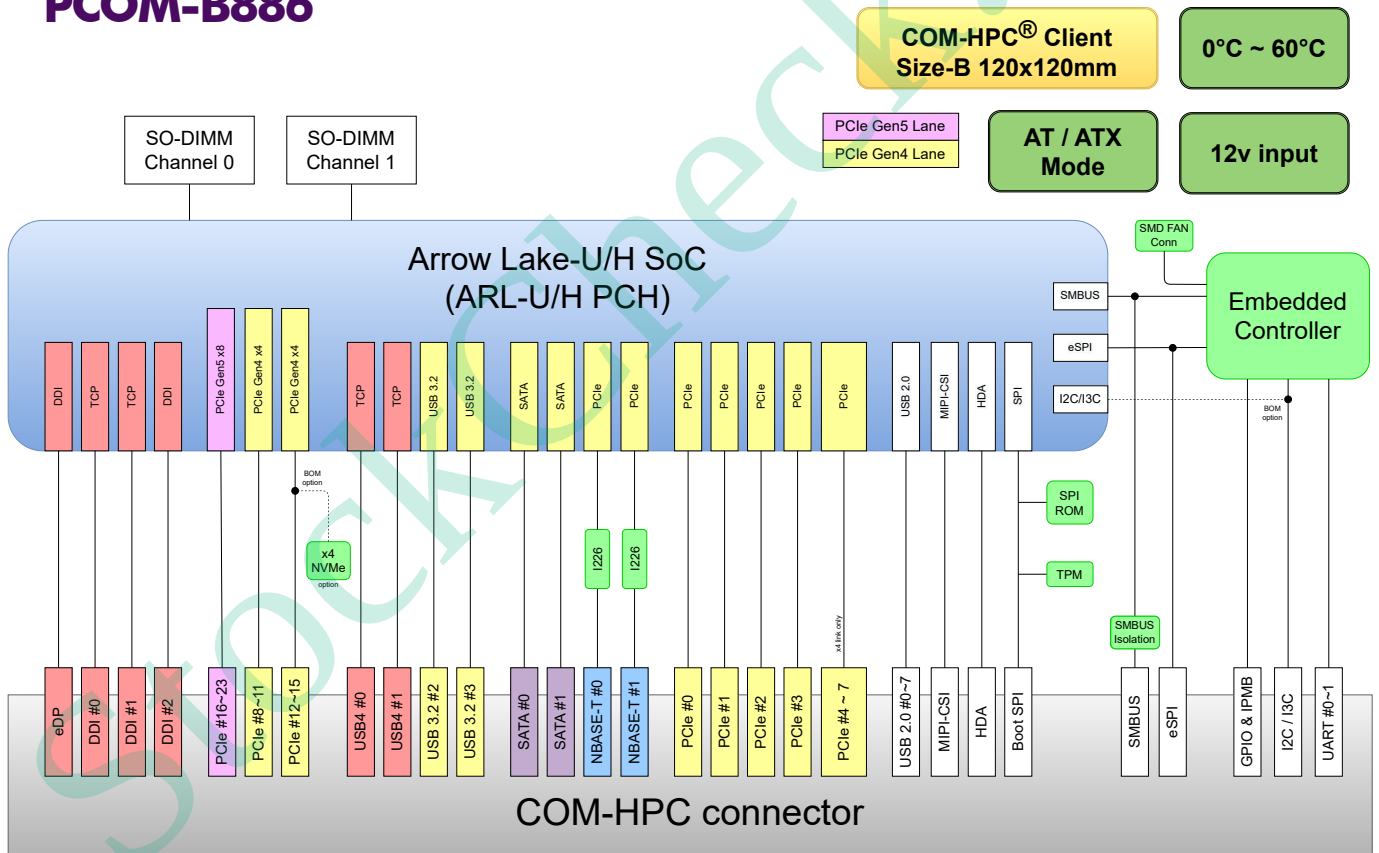
Dimension	120 mm x 120 mm (4.72" x 4.72")
Operating Temperature	0 ~ 60 °C (32.0 ~ 140.0 °F)
Storage Temperature	-40 ~ 85 °C (-40.0 ~ 185.0 °F)
Certification	CE Marking/ FCC/ UKCA
OS	Windows 11/ Ubuntu
Portwell Special Feature	PET API

ORDERING GUIDE

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

BLOCK DIAGRAM

PCOM-B886



Portwell, Inc. Headquarters
No. 242, Bo'Ai St., Shu-Lin Dist,
New Taipei City 238, Taiwan
Tel: +886-2-7731-8888
Fax: +886-2-7731-9888
E-mail: info@portwell.com.tw
www.portwell.com.tw

American Portwell
(Fremont, CA)
Tel: +1-510-403-3399
E-mail: info@portwell.com
www.portwell.com

Portwell UK Ltd.
Tel: +44(0)1235-750-760
E-mail: info@portwell.eu
www.portwell.eu

Portwell Japan, Inc.
(Tokyo)
Tel: +81-3-6902-9225
E-mail: info@portwell.co.jp
www.portwell.co.jp

Portwell Japan, Inc.
(Osaka)
Tel: +81-6-4807-7721
E-mail: info@portwell.co.jp
www.portwell.co.jp

European Portwell
Tel: +31-252-620790
E-mail: info@portwell.eu
www.portwell.eu

KIOSK Embedded Systems GmbH
Tel: +49-8152-3962-500
E-mail: info@portwell.de
www.portwell.de

Shanghai Portwell
Tel: +86-21-5771-2505
E-mail: info@portwell.com.cn
www.portwell.com.cn

Portwell Korea, Inc.
Tel: +82-31-450-3043
E-mail: info@portwell.co.kr
www.portwell.co.kr

Portwell India Technology Private Limited
Tel: +91-80-4168-4255
E-mail: enquiry@portwell.in
www.portwell.in