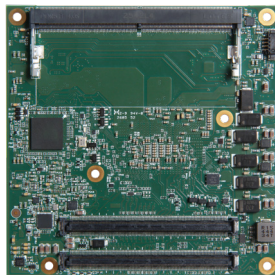


PCOM-B65C

COM Express Type 6 Compact Size Module with AMD Ryzen™ Embedded 8000 Processor, DDR5 SO-DIMM, DDI, eDP, LVDS, VGA, PCIe Gen 4, USB 3.2 Gen2, discrete TPM 2.0, SATA, Out-of-Band (OOB) Management



FEATURES

- AMD Ryzen™ Embedded 8000 Series
- Up to 8 Zen4 Core, and RDNA3 up to 6 workgroups.
- 2x DDR5-5600 non-ECC / ECC SO-DIMMs up to 96GB, 1x Gen4 x8, 1x Gen4 x2, and 6x Gen4x1
- 4x USB3.2 Gen2, 2x SATA, 3x DDI, VGA, eDP/LVDS
- Supports Out-of-Band (OOB) management and optional onboard PCIe NVMe SSD up to 1TB

General

Model	PCOM-B65C			
Form Factor	COM Express Type 6 Compact Size (95 mm x 95 mm)			
CPU	8845HS	8840U	8645HS	8640U
Core/Thread	8C/16T	8C/16T	6C/12T	6C/12T
Based Frequency	3.8	3.3	4.3	3.5
Turbo Frequency	5.1	5.1	5.0	4.9
Cache	8	8	6	7
TDP	45	28	45	28
Graphics EU	8 WGP	8 WGP	4 WGP	4 WGP
Graphics Max Freq.	2.7	2.7	2.6	2.6
Memory Type/Speed	2x DDR5 SO-DIMM up to 96GB 5600MT/s	2x DDR5 SO-DIMM up to 96GB 5600MT/s	2x DDR5 SO-DIMM up to 96GB 5600MT/s	2x DDR5 SO-DIMM up to 96GB 5600MT/s
ECC Memory Support	Support	Support	Support	Support
Temperature Range	0 ~ 60 °C (32.0 ~ 140.0 °F)	0 ~ 60 °C (32.0 ~ 140.0 °F)	0 ~ 60 °C (32.0 ~ 140.0 °F)	0 ~ 60 °C (32.0 ~ 140.0 °F)
BIOS	AMI uEFI BIOS			
Memory	2x SO-DIMM DDR5 up to 96GB 5600 MT/s			

I/O Interface

SATA	2x SATA III
USB	8x USB 2.0 (Default) 4x USB3.2 Gen2 (Default)
Ethernet	1 x 1 GbE Lan (Default)
PCIe	1x PCIe Gen4 x8 (Default) 1x PCIe Gen4 x2 (Default) 6x PCIe Gen4 x1 (Default)
Storage	1x support NVMe (Share w/ SATA)
Legacy I/O	8x GPIO (Default) 1x I ² C (Default) 1x SMBus (Default) 2x UART (Default)
Security	TPM 2.0
Display	eDP / LVDS eDP up to HBR3 3840 x 2160@120Hz (Default)
	eDP / LVDS LVDS (24bit, dual channel) 1920 x 1200@60Hz (Option)
	DDI 1/2/3 eDP up to HBR3 3840 x 2160@120Hz (Default)
	DDI 1/2/3 HDMI® 2.1 (Default) VGA VGA 1920 x 1200@60Hz (Share w/ DDI)

