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Datasheet

GIGAIPC

QBiP-8265A

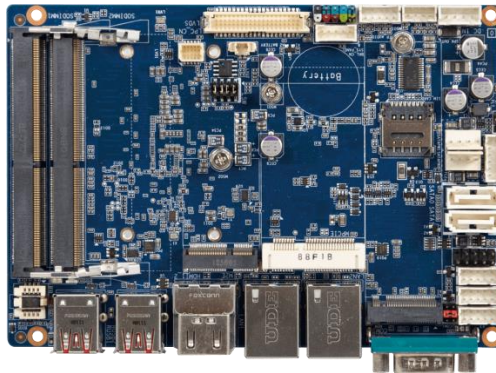
3,5" Embedded Single-Board Computer with Intel® Whiskey Lake i5-8265U (optional i5-8365UE)

Processor, 2x Intel® GbE, 1x RS232/422/485, 3x RS232, 2x SATA, 4x USB 3.1

QBiP-8565A

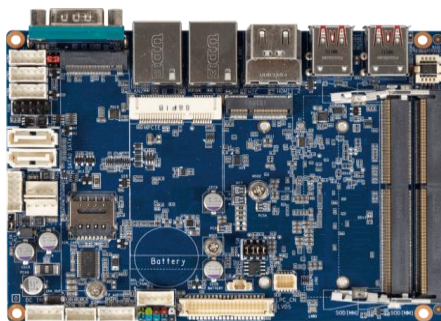
3,5" Embedded Single-Board Computer with Intel® Whiskey Lake i7-8565U (optional i7-8665UE)

Processor, 2x Intel® GbE, 1x RS232/422/485, 3x RS232, 2x SATA, 4x USB 3.1



Note: a separate manual / datasheet is available for each version

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Model Name	QBIP-8565A	QBIP-8265A
Feature	3.5" SubCompact Board with 8th Generation Intel® i5-8565U Processor, Dual Channel DDR4 memory, 4 x COM , 2 x SATA 6Gb/s, 4 x USB3.1 Gen2, 2 x USB2.0	3.5" SubCompact Board with 8th Generation Intel® i5-8265U Processor, Dual Channel DDR4 memory, 4 x COM , 2 x SATA 6Gb/s, 4 x USB3.1 Gen2, 2 x USB2.0
Specification	<p>3.5" SBC Intel® Core™ i5-8565U Processor Optional Intel® Core™ i5-8665UE Dual Channel DDR4, 2 x SO-DIMMs 2 x GbE LAN ports 2 x SATA 6Gb/s ports Ultra-Fast M.2 with PCIe Gen3 x4 interface 2* HDMI, LVDS ports for multiple display Realtek ALC269 audio codec</p> <p>1 x RS232/422/485/5V/12V/RI COM port 3 x RS232 COM ports 4 x USB3.1 Gen 2</p>	<p>3.5" SBC Intel® Core™ i5-8265U Processor Optional Intel® Core™ i5-8365UE Processor Dual Channel DDR4, 2 x SO-DIMMs 2 x GbE LAN ports 2 x SATA 6Gb/s ports Ultra-Fast M.2 with PCIe Gen3 x4 interface 2* HDMI, LVDS ports for multiple display Realtek ALC269 audio codec</p> <p>1 x RS232/422/485/5V/12V/RI COM port 3 x RS232 COM ports 4 x USB3.1 Gen 2</p>
Form Factor	3.5" SBC 146W x 101.7Dmm	3.5" SBC 146W x 101.7Dmm
CPU	Intel® Core™ i7-8565U Processor 14nm, 4 cores, 8 threads 1.8GHz, up to 4.6 GHz TDP 15W 8 MB SmartCache	Intel® Core™ i5-8265U Processor 14nm, 4 cores, 8 threads 1.6GHz, up to 4.6 GHz TDP 15W 8 MB SmartCache
Socket	1 x FCBGA1528	1 x FCBGA1528
Chipset		
Memory	2 x DDR4 SO-DIMM sockets, Max. Capacity 32 GB Dual channel memory architecture Support for DDR4 2400 MHz memory modules	2 x DDR4 SO-DIMM sockets, Max. Capacity 32 GB Dual channel memory architecture Support for DDR4 2400 MHz memory modules
Ethernet	2 x GbE LAN ports (Intel® i219V and Intel® i211AT)	2 x GbE LAN ports (Intel® i219V and Intel® i211AT)
Video	Integrated Graphics Processor - Intel® UHD Graphics 620 2 x HDMI1.4 port, supporting a maximum resolution of 4096x2304@24Hz	Integrated Graphics Processor - Intel® UHD Graphics 620 2 x HDMI1.4 port, supporting a maximum resolution of 4096x2304@24Hz
Audio	1 x LVDS port, supporting a maximum resolution of 1920 x 1080@60Hz * Support up to 3 displays at the same time	1 x LVDS port, supporting a maximum resolution of 1920 x 1080@60Hz * Support up to 3 displays at the same time
Storage	Realtek ALC269 High Definition Audio	Realtek ALC269 High Definition Audio
Raid	2 x SATA 6Gb/s ports	2 x SATA 6Gb/s ports
Expansion Slots	Intel® SATA RAID 0/1	Intel® SATA RAID 0/1
	1 x M.2 slot: - M-key - SATA 6Gb/s / PCIe X4 - Supports NGFF-2280 cards	1 x M.2 slot: - M-key - SATA 6Gb/s / PCIe X4 - Supports NGFF-2280 cards
	1 x M.2 slot: - E-key - Supports NGFF-2230 (WiFi/BT)	1 x M.2 slot: - E-key - Supports NGFF-2230 (WiFi/BT)
	1 x Mini-PCIe slot - Full card size -Support PCIe X1+USB2.0 --support 3G/4G module	1 x Mini-PCIe slot - Full card size -Support PCIe X1+USB2.0 --support 3G/4G module

Model Name	QBIP-8565A	QBIP-8265A
Internal I/O	1 x 4 pin box header (DC in) 2 x SATA 6Gb/s connectors 1 x CPU fan header 1 x System fan header 1 x Front panel header 1 x Front panel audio header 1 x 2W Speaker out header 2 x SATA Power headers 2 x USB 2.0/1.1 headers 1 x GPIO (4 in / 4 out) 3 x COM headers (RS232) 1 x Backlight control header 1 x AT mode select jumper 1 x 3G Sim Slot. 1 x SMBUS header 1 x LVDS connector	1 x 4 pin box header (DC in) 2 x SATA 6Gb/s connectors 1 x CPU fan header 1 x System fan header 1 x Front panel header 1 x Front panel audio header 1 x 2W Speaker out header 2 x SATA Power headers 2 x USB 2.0/1.1 headers 1 x GPIO (4 in / 4 out) 3 x COM headers (RS232) 1 x Backlight control header 1 x AT mode select jumper 1 x 3G Sim Slot. 1 x SMBUS header 1 x LVDS connector
Rear I/O	1 x COM Port (RS232/422/485 and RI/5V/12V) 2 x HDMI 2 x RJ45 4 x USB3.1 Gen2	1 x COM Port (RS232/422/485 and RI/5V/12V) 2 x HDMI 2 x RJ45 4 x USB3.1 Gen2
TPM	1 x TPM Header	1 x TPM Header
OS Compatibility	Windows 10 (x64)	Windows 10 (x64)
PSU Connectors	1 x 4-pin Box header power connector (9~36V Full Range)	1 x 4-pin Box header power connector (9~36V Full Range)
Operating Properties	Operating temperature: 0°C to 60°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -20°C to 70°C Non-operating humidity: 0%-95% (non-condensing)	Operating temperature: 0°C to 60°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -20°C to 70°C Non-operating humidity: 0%-95% (non-condensing)
Packaging Content	Box Packing Capacity: 20pcs Carton size:379x245x197(mm) Content: SATA Power cable*1 (25CRI-200B02-K1R)	Box Packing Capacity: 20pcs Carton size:379x245x197(mm) Content: SATA Power cable*1 (25CRI-200B02-K1R)
Order Information	Motherboard: 9MWHLUASMR-SI	Motherboard: 9MWHLUASMR-SI

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