



QBIP-8565A

3.5" SubCompact Board with 8th Generation Intel® i7-8565U Processor, Dual Channel DDR4 memory, 4 x COM, 2 x SATA 6Gb/s, 4 x USB3.1 Gen2 2 x USB2.0

Key Features

- 3.5" SBC
- Intel® Core™ i7-8565U 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 x HDMI, LVDS ports for multiple display
- Realtek ALC269 audio codec
- 1 x RS232/422/485/5V/12V/RI COM port
- 3 x RS232 COM ports
- 4 x USB3.1 Gen 2

Application

SPECIFICATION

3.5" SubCompact Board with 8th Generation Intel® i7-8565U Processor, Dual Channel DDR4 memory, 4 x COM, 2 x SATA 6Gb/s, 4 x USB3.1 Gen2 2 x USB2.0

FORM FACTOR	3.5" SBC 146W x 101.7D(mm)
CPU	Intel® Core™ i7-8565U Processor 14nm, 4 cores, 8 threads 1.8GHz, up to 4.6 GHz TDP 15W 8 MB SmartCache
SOCKET	1 x FCBGA1528
MEMORY	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)
VIDEO	Integrated Graphics Processor - Intel® UHD Graphics 620 2 x HDMI1.4 port, supporting a maximum resolution of 4096x2304@24Hz 1 x LVDS port, supporting a maximum resolution of 1920x1080@60Hz * Support up to 3 displays at the same time
AUDIO	Realtek ALC269 High Definition Audio
STORAGE	2 x SATA 6Gb/s ports
EXPANSION SLOTS	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 Mini-PCIe slot: - Full card size - Support PCIe X1+USB2.0 --support 3G/4G module
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 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)