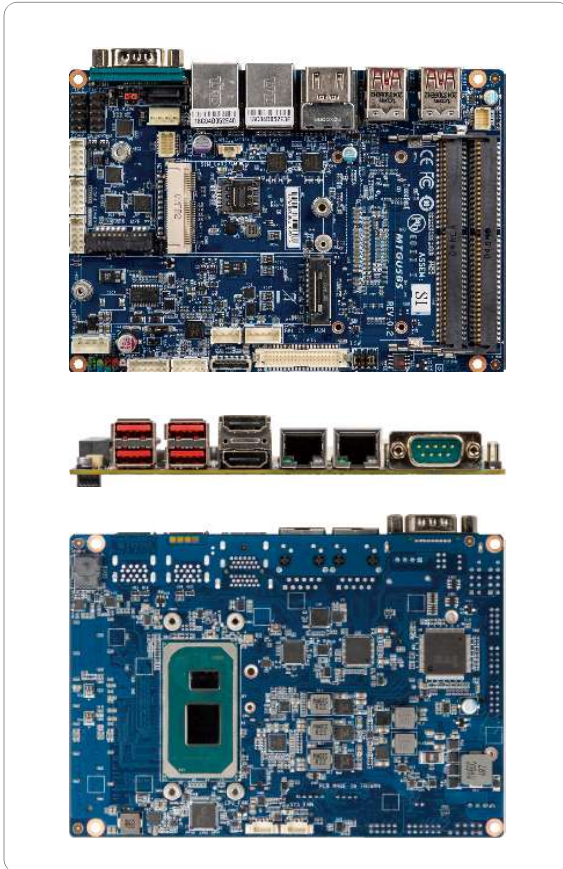


QBIP-1165G7B (MTGU7BS-SI)

3.5" SubCompact Board with 11th Generation Intel® i7-1165G7 Processor, Dual Channel DDR4 memory, 4 x COM , 1 x SATA 6Gb/s, 4 x USB 3.2 Gen 2x1, 4 x USB 2.0



Features

- 3.5" SBC
- Intel® Core™ i7-1165G7 Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x GbE LAN ports
- 1 x SATA 6Gb/s ports
- Ultra-Fast M.2 with PCIe Gen3 x2 interface
- 2 x HDMI, LVDS ports for multiple display
- 1 x RS-232/422/485 and 5V/12V/RI COM port
- 3 x RS-232/422/485 COM ports
- 4 x USB 3.2 Gen 2x1

Audio	Realtek® Audio Codec
Storage	1 x SATA 6Gb/s ports
Raid	Intel® SATA RAID 0/1
Expansion Slots	1 x 2280 M.2 M-Key (PCIe x2, SATA 6Gb/s)
	1 x 2230 M.2 E-Key
	1 x Full-size mini PCIe with SIM slot
	1 x PCIe X1 (Board to Wire connector)
Internal I/O	1 x 4 pin box power connector (DC in +9V~48VDC)
	1 x SATA Power headers
	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
	4 x USB 2.0 headers
	3 x COM headers (RS-232/422/485)
	1 x Backlight control header
	1 x AT/ATX mode select jumper
1 x GPIO (8-bits) & SMBUS header	
1 x SPI header	
Rear I/O	1 x COM Port (RS-232/422/485 and RI/5V/12V)
	2 x HDMI
	2 x RJ45 LAN Ports 4 x USB 3.2 Gen 2x1
TPM	1 x TPM Header
OS Compatibility	Windows® 10 (x64)
Operating Properties	Operating temperature: 0°C to 60°C
	Operating humidity: 0-90% (non-condensing)
	Non-operating temperature: -40°C to 85°C Non-operating humidity: 0%-95% (non-condensing)

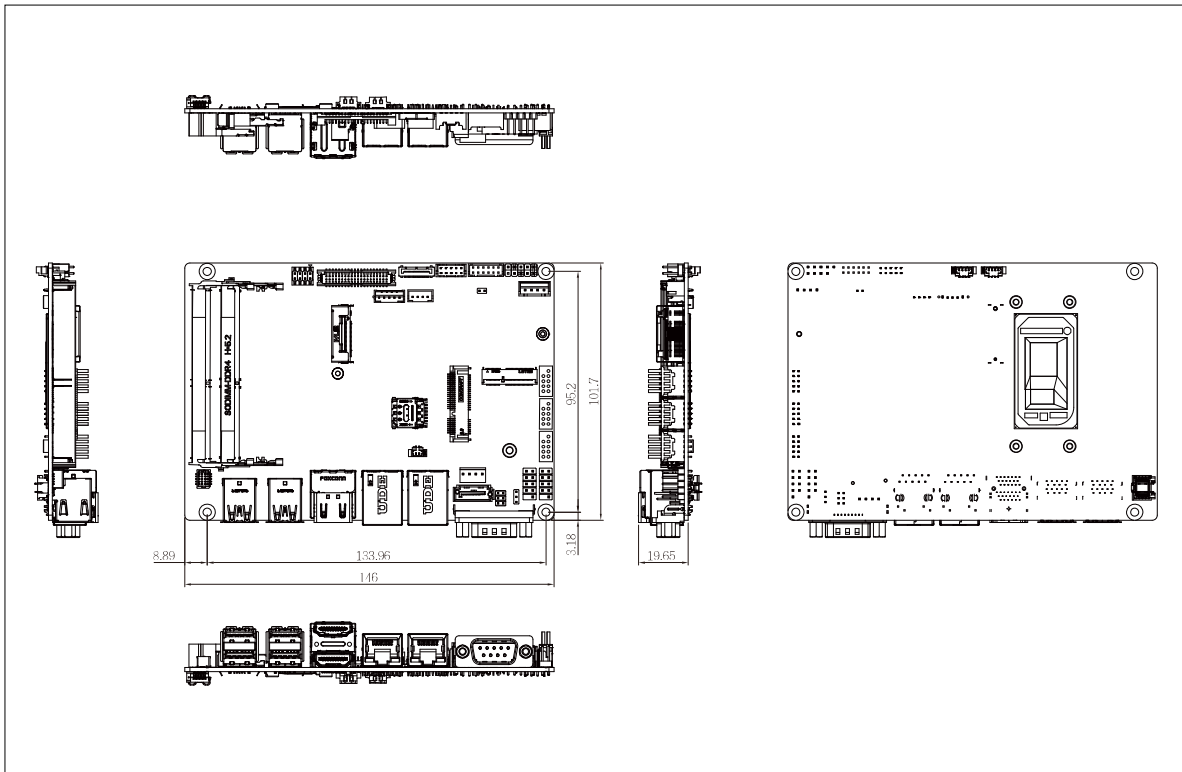
Specifications

Form Factor	3.5" SBC 146W x 101.7Dmm
CPU	Intel® Core™ i7-1165G7 Processor 10nm SuperFin, 4 cores, 8 threads, up to 4.7 GHz TDP 28W 12 MB Intel® Smart Cache
Socket	1 x FCBGA1449
Chipset	—
Memory	2 x DDR4 SO-DIMM sockets, Max. Capacity 64 GB Support Dual Channel DDR4 3200MHz memory modules
Ethernet	2 x GbE LAN ports (Intel® i219V and Intel® i211AT)
Video	Integrated Graphics Processor - Intel® Iris® Xe Graphics 2 x HDMI2.0 port, supporting a maximum resolution of 4096 x 2304 @60Hz 1 x LVDS port, supporting a maximum resolution of 1920 x 1080 @60Hz * Support up to 3 displays at the same time

GIGAIPC reserves the right to modify or change technical data without prior notice.

Dimension

Unit: mm



Packing Content

- Box Packing Capacity: 10pcs
- Carton size: 465 x 351 x 217(mm)
- Content:
 - SATA Power cable x 1 (P/N: 25CRI-200B02-K1R)

Order Information

- Motherboard: 9MTGU7BSMR-SI

Optional Kit

- TPM 2.0 module P/N: 9CTM010NR-00
- TPM Cable P/N: 25CRZ-100600-S9R

2021/11/05

GIGAIPC reserves the right to modify or change technical data without prior notice.