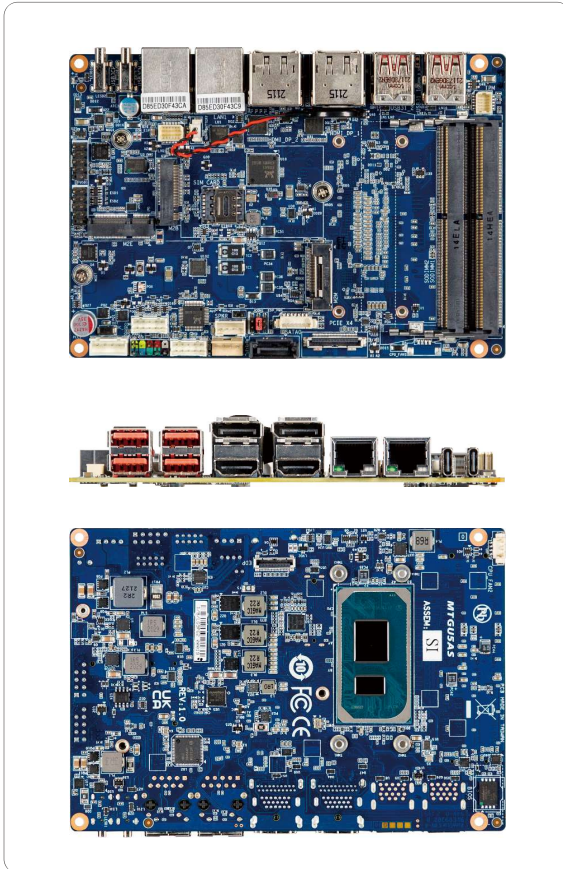


QBIP-1165G7A (MTGU7AS)

3.5" SubCompact Board with 11th Generation Intel® Core™ i7-1165G7 Processor, Dual Channel DDR4 memory, 1 x COM, 1 x SATA 6Gb/s, 4 x USB 3.2 Type A Gen 2x1, 2 x USB 3.2 Type C 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 Port
- Ultra-Fast M.2 with PCIe Gen3 x2 interface
- 2 x HDMI, 2 x DP, eDP ports for multiple display
- 1 x COM Port (RS-232 & RI/5V/12V)
- 4 x USB 3.2 Type A Gen 2x1
- 2 x USB 3.2 Type C Gen 2x1

Audio	Realtek® Audio Codec
Storage	1 x SATA 6Gb/s port
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 3052 M.2 B-Key with SIM Slot (Support 5G)
	1 x PCIe x4 (Board to Wire connector)
Internal I/O	1 x 4-pin box power connector (DC in +12V~24VDC)
	1 x SATA Power header
	1 x CPU 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
Rear I/O	1 x USB type C (USB 3.2 Gen 2x1 + DP output-share with DP) & PD Out -100W
	1 x USB type C (USB 3.2 Gen 2x1, PD input-100W)
	4 x USB 3.2 Gen 2x1
	2 x HDMI 2 x DP 2 x RJ45 LAN Ports
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)

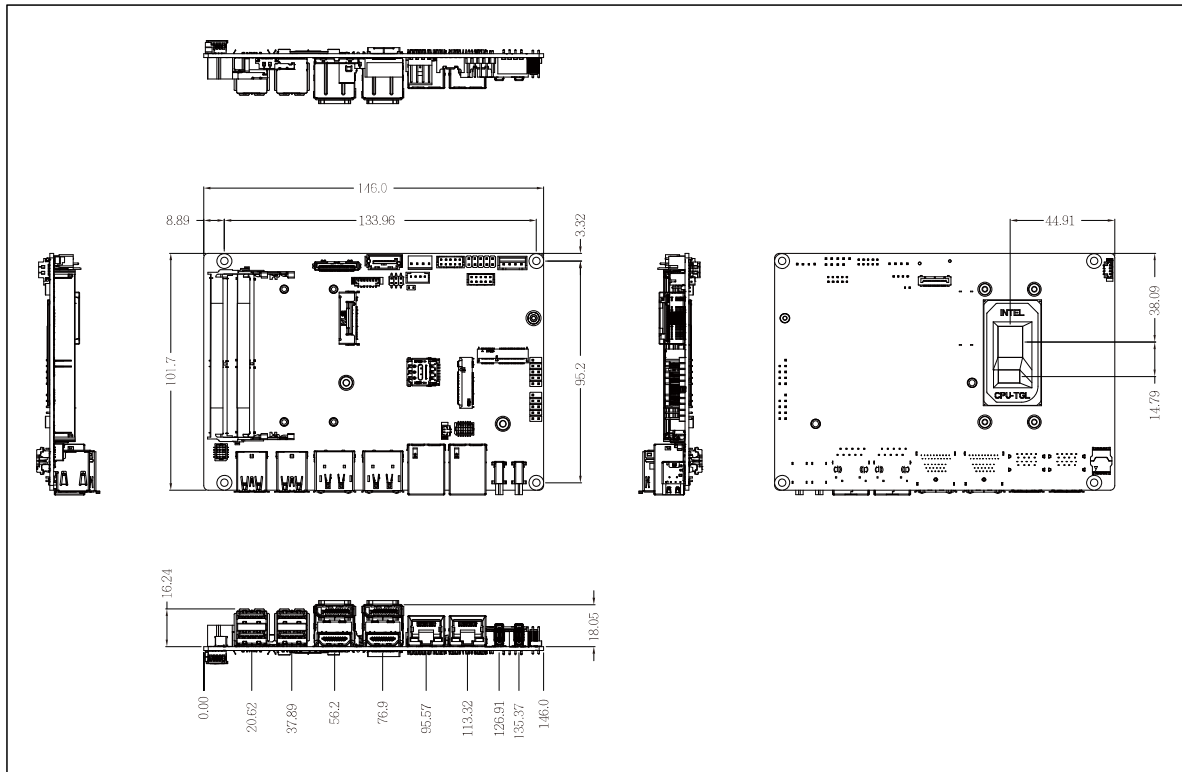
Specifications

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 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 HDMI 2.0 ports, supporting a maximum resolution of 4096x2304 @60Hz
	2 x DP 1.4 ports, supporting a maximum resolution of 7680x4320 @60Hz
	1 x DP 1.4 through USB type C (8k), supporting a maximum resolution of 7680x4320 @60Hz
1 x eDP port, supporting a maximum resolution of 4096x2304 @60Hz	
	(4 independent display outputs)

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

Dimension

Unit: mm



Packing Content

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

Order Information

- Motherboard: 9MTGU7ASMR-SI (Box packing)

Optional Kit

- Fanless Heatsink P/N: 25ST1-1Z3101-AFR
- Fansink P/N: 25ST4-113101-A7R
- Heat spreader P/N: 25ST5-111500-Y0R
- TPM 2.0 module P/N: 9CTM010NR-00
- TPM Cable P/N: 25CRZ-100600-S9R

2022/08/12

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