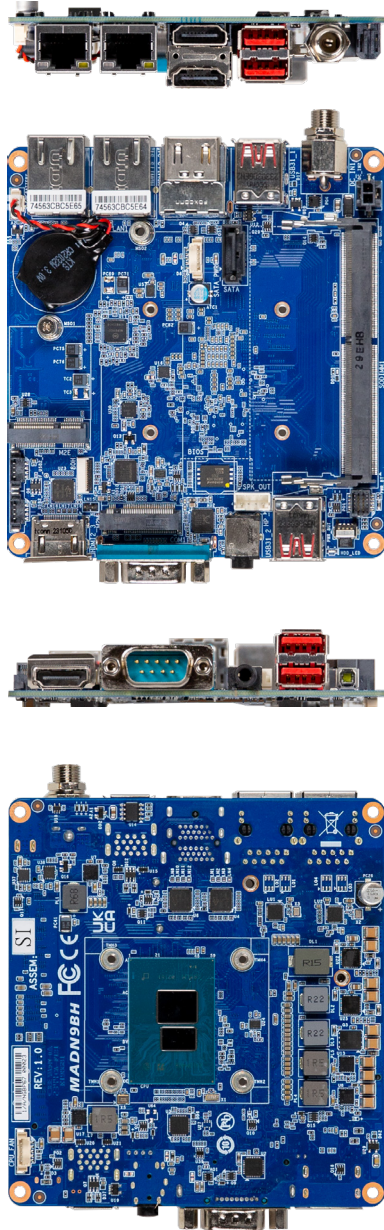


QBi-N97B (MADN9BH)

Embedded Compact Board with Intel® Processor N97, Single Channel DDR4 memory, 1 x COM, 1 x SATA 6Gb/s, 6 x USB, TPM on board



Features

- Embedded IPC Motherboard
- Intel® Processor N97
- Single Channel DDR4, 1 x SO-DIMM
- 2 x GbE LAN Ports
- 1 x SATA 6Gb/s Port
- 3 x HDMI Ports for multiple display
- 1 x COM Port (RS-232)

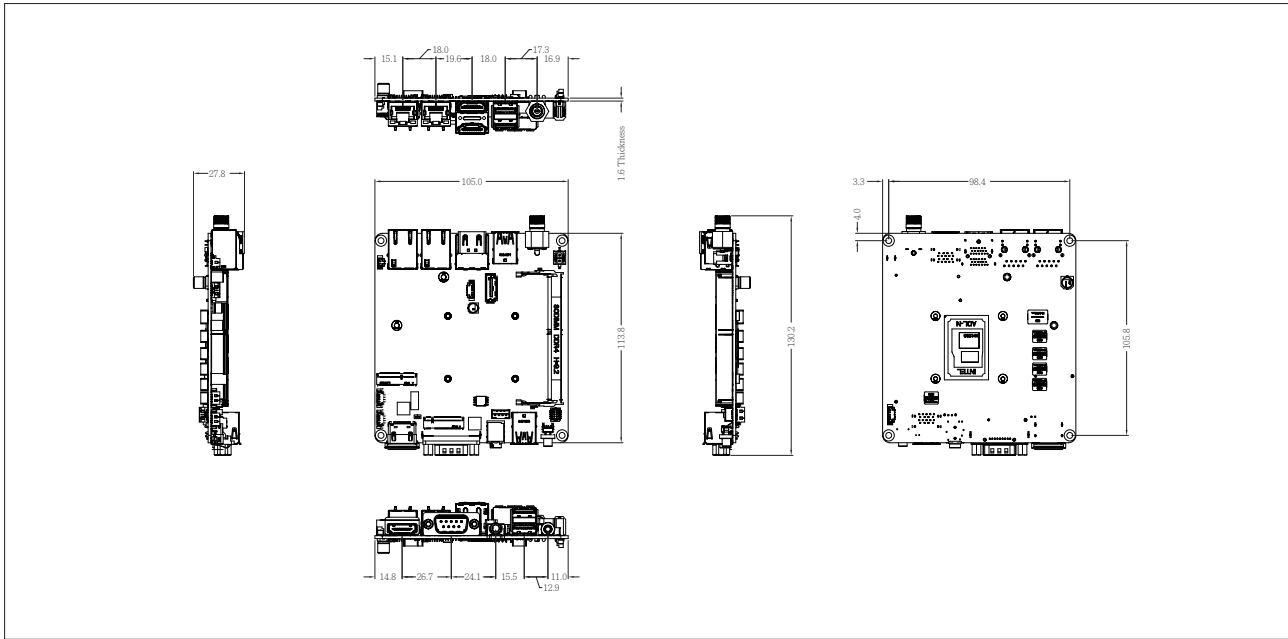
Video	Integrated Graphics Processor - Intel® UHD Graphics support: 3 x HDMI 2.0 port, supporting a maximum resolution of 4096x2160 @60Hz (3 independent display outputs)
Audio	Realtek® ALC269
Storage	1 x SATA 6Gb/s Port
Raid	—
Expansion Slots	1 x 2280 M.2 M-Key (PCIe Gen 3x1, SATA 6Gb/s) 1 x 2230 M.2 E-Key
Internal I/O	1 x 2-pin power connector 1 x SATA Power header 1 x CPU fan header 1 x Front panel header 1 x Speaker out header 2 x USB 2.0 headers
Front IO	2 x USB 3.2 Gen 2x1 1 x Power button with LED 1 x COM Port (RS-232) 1 x Combo audio jack (Headphone & Headset) 1 x HDMI
Rear IO	2 x RJ45 LAN Ports 2 x USB 3.2 Gen 2x1 2 x HDMI 1 x Screw type DC Jack (+12V~24VDC)
Side IO	—
TPM	Onboard TPM 2.0 security chip NUVOTON NPCT760AABYX
OS Compatibility	Windows 10/11 (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)
Packing Content	Carton size: 465 x 351 x 217 (mm) Packing Capacity: 10pcs Single Box size: 221 x 178 x 65 (mm) Including: SATA power cable 150mm x 1 (P/N: 25CRI-150621-K1R)
Order Information	9MADN9BHMR-SI (Box Packing)

Specifications

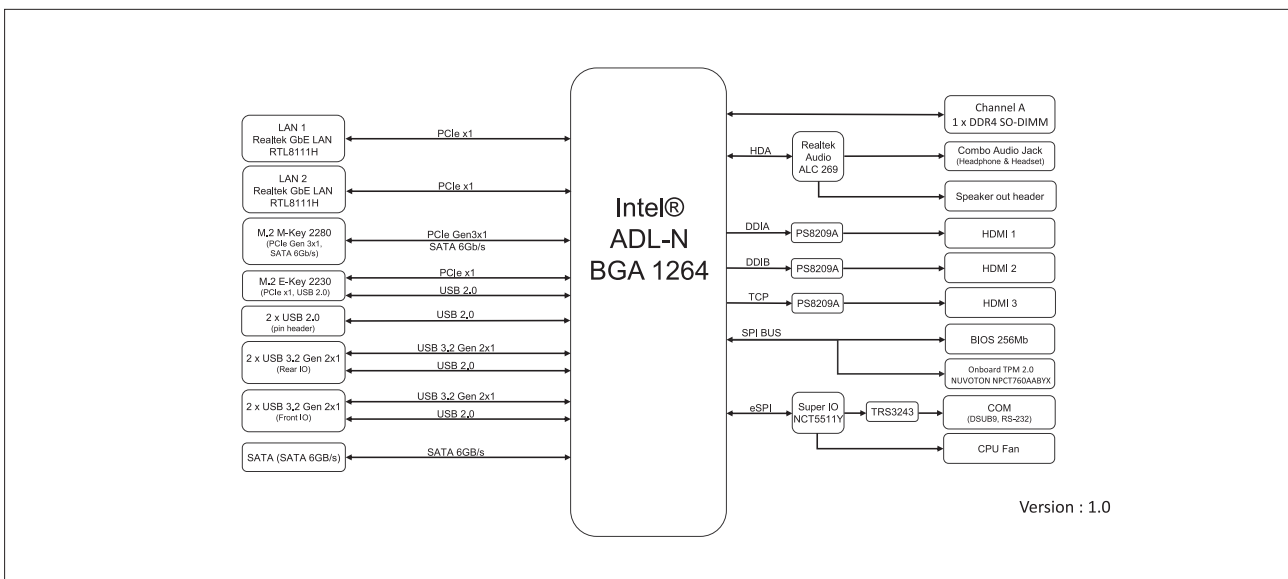
Form Factor	Embedded Compact Board 105W x 110D (mm)
CPU	Intel® Processor N97 Intel® 7, 4 cores, up to 3.60 GHz TDP 12W
Socket	1 x FCBGA1264
Memory	1 x DDR4 SO-DIMM socket, Max. Capacity 16 GB Support Single Channel DDR4 3200 MHz memory module
Ethernet	2 x GbE LAN Ports (Realtek® RTL8111H)

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

Dimension (Unit: mm)



Block Diagram



Optional Kit

Part No.	Description	Quantity
25ST1-1231Z9-A7R	Fanless Heatsink	1
25ST4-123104-A7R	Fansink	1
25ST1-113109-Y0R	Heat spreader	1

2024/09/03

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