



QBi (10x10 M/B)

QBi-N97B

Preliminary

Key Features

Embedded Compact Board with Intel® Processor N97, Single Channel DDR5 memory, 1 x COM , 1 x SATA 6Gb/s, 6 x USB, TPM on board

- Embedded IPC Motherboard
- Intel® Processor N97
- Single Channel DDR5, 1 x SO-DIMM
- 2 x GbE LAN Ports
- 1 x SATA 6Gb/s Port
- 3 x HDMI Ports for multiple display

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Specification

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 DDR5 SO-DIMM socket, Max. Capacity 16 GB
Support Single Channel DDR5 4800 MHz memory modules

Ethernet

2 x GbE LAN Ports (Realtek® RTL8111H)

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

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
2 x USB 2.0 headers

Front I/O

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)

Rear I/O

2 x RJ45 LAN Ports
2 x USB 3.2 Gen 2x1
3 x HDMI
1 x Screw type DC Jack (+12V~24VDC)

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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)

Single Box weight: Approx. 0.5kg

Including:

SATA power cable 150mm x 1 (P/N: 25CRI-300B01-K1R)

Order Information

9MADN9BHMR-SI (Box Packing)

Optional Kit

Fanless Heatsink P/N: 25ST1-1231Z9-A7R

Fansink P/N: 25ST4-123104-A7R

Heat spreader P/N: 25ST1-113109-Y0R