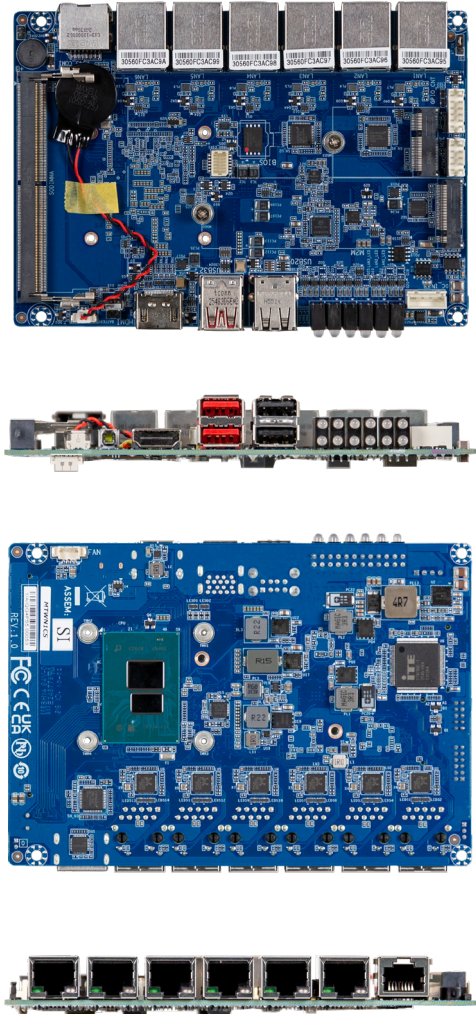


QBiP-N150C (MTWN1CS)

3.5" SubCompact Embedded Motherboard with Intel® Processor N150, Single Channel DDR5 memory, 6 x LAN, 2 x COM, 2 x USB 3.2 Gen 2 (10 Gbps), 2 x USB 2.0



Features

- 3.5" SBC
- Intel® Processor N150
- Single Channel DDR5, 1 x SO-DIMM
- 6 x 2.5GbE LAN Ports
- 2 x COM Ports (RS-232)
- TPM on board

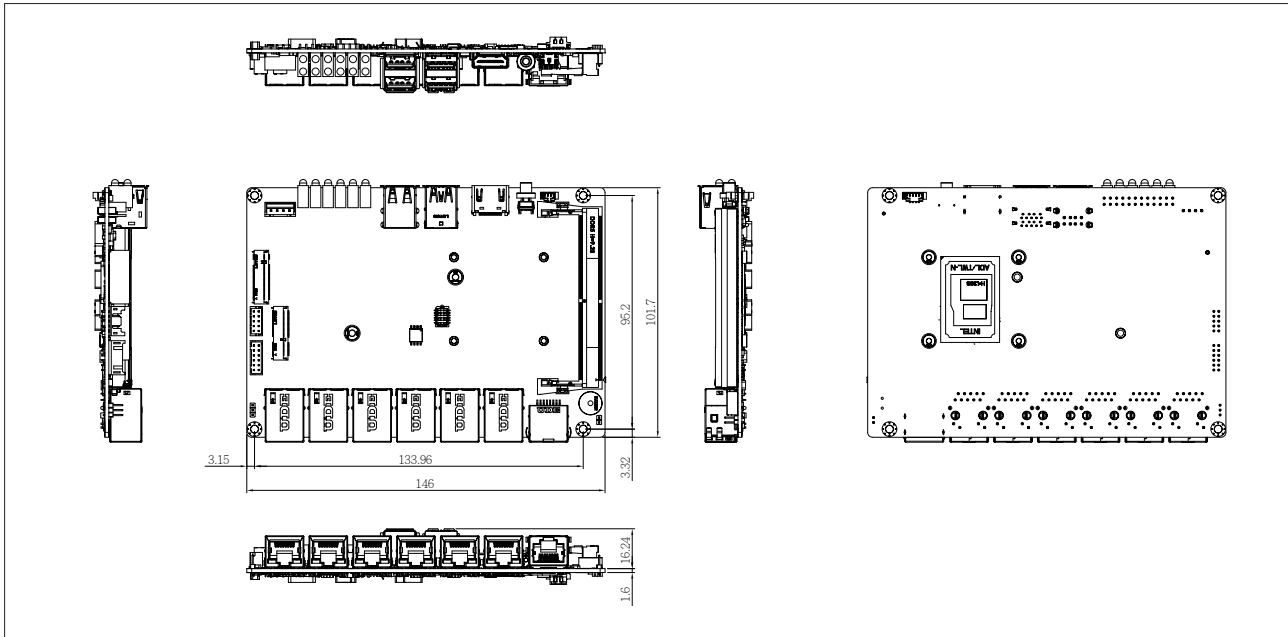
Specifications

Form Factor	3.5" SBC 146W x 101.7Dmm
CPU	Intel® Processor N150 Intel 7, 4 cores, up to 3.60 GHz TDP 6W
Socket	1 x FCBGA1264
Memory	1 x DDR5 SO-DIMM socket, Max. Capacity 16 GB Support Single Channel DDR5 4800 MHz memory module
Ethernet	6 x 2.5GbE LAN Ports (Realtek® RTL8125D)
Video	Integrated Graphics Processor - Intel® Graphics support: 1 x HDMI 2.0 port, supporting a maximum resolution of 4096x2160 @60Hz
Expansion Slots	1 x 2280 M.2 M-Key (PCIe Gen3x2) 1 x 2230 M.2 E-Key
Internal I/O	1 x 4-pin box power connector (DC in +12V~36VDC) 1 x CPU fan header 1 x COM header (RS-232) 1 x AT/ATX mode select jumper 1 x GPIO (8-bits) & SMBus header
Front I/O	1 x HDMI 2 x USB 3.2 Gen 2 (10 Gbps) 2 x USB 2.0 1 x Power button 6 x LAN status LED
Rear I/O	6 x RJ45 LAN Ports 1 x Console Port (RS-232)(RJ45 Type)
TPM	Onboard TPM 2.0 security chip INFINEON SLB9670VQ2.0
OS Compatibility	Windows 11 Enterprise LTSC 2024 Windows 11 IoT Enterprise LTSC 2024, x64 Windows 11 IoT Enterprise, version 24H2 x64
Operating Properties	Operating temperature: 0°C to 60°C Operating humidity: 60°C @ 20-95% (non-condensing) Non-operating temperature: -40°C to 85°C Non-operating humidity: 85°C @ 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)
Order Information	9MTWN1CSMR-SI (Box Packing)

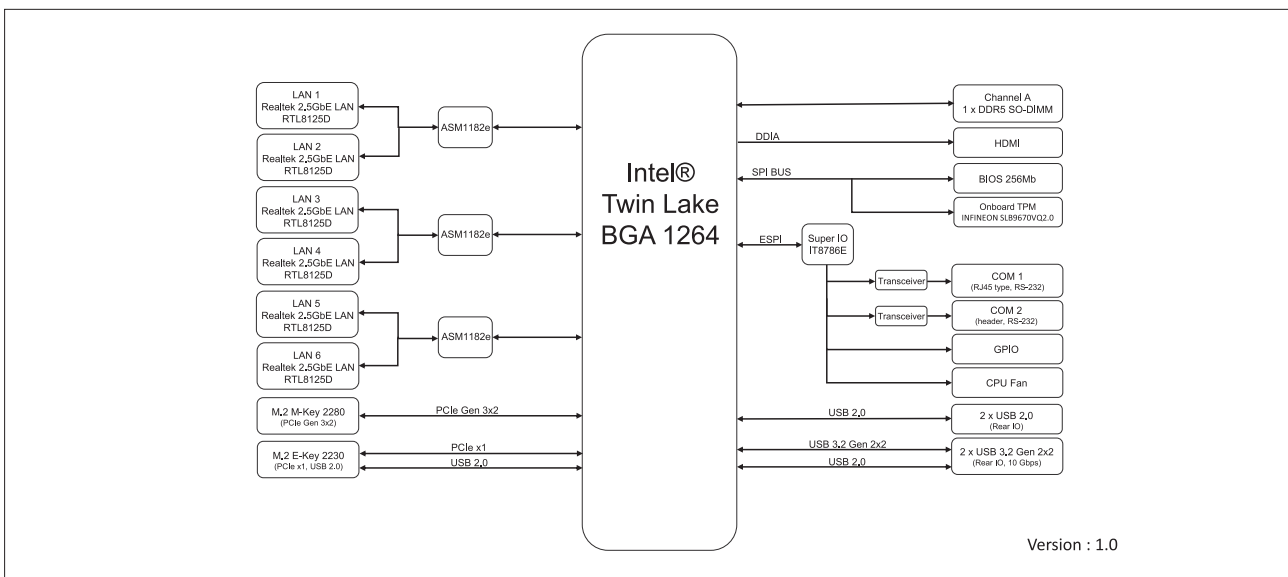
GIGAIPC reserves the right to modify or change technical data without prior notice.

Dimension (Unit: mm)

2026/08/13



Block Diagram



Optional Kit

Part No.	Description	Quantity
25ST1-300022-A7GR	Fanless Heatsink	1
25ST1-113109-Y0R	Heat Spreader	1
25ST4-123103-Y0R	Fansink	1

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