

QBi-7100B (MFLP3AH)

Embedded Compact Board with Intel® Core™ i3-7100U Processor, Dual Channel DDR4 memory, 1 x COM, 1 x SATA 6Gb/s, 7 x USB



Features

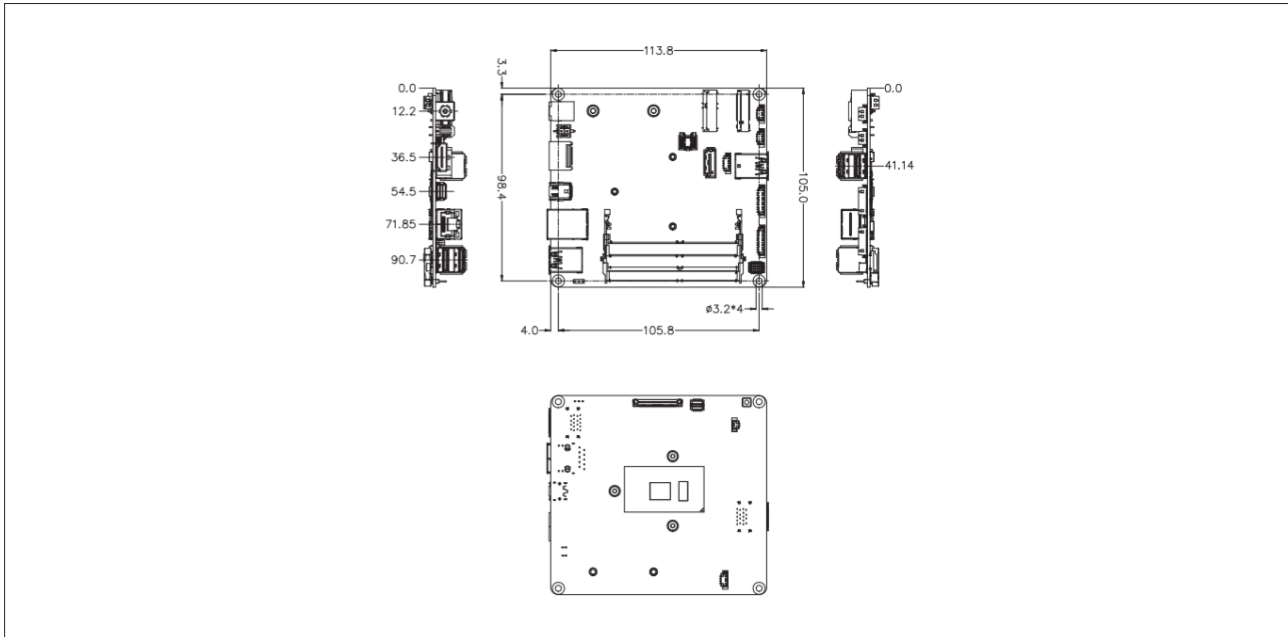
- Embedded IPC Motherboard
- Intel® Core™ i3-7100U Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- Intel® Optane™ Memory Ready
- 1 x GbE LAN Port
- 1 x SATA 6Gb/s Port
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- HDMI, Mini Display port, eDP ports for multiple display
- 1 x COM Port (RS-232)

Expansion Slots	1 x 2280 M.2 M-Key (PCIe x4, SATA 6Gb/s) 1 x 2230 M.2 E-Key (WiFi/BT)
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 1 x USB 3.2 Gen 1 header 1 x COM header (RS-232)
Front IO	2 x USB 3.2 Gen 1 1 x Power button
Rear IO	1 x HDMI 1 x Mini Display Port 1 x RJ45 LAN port 2 x USB 3.2 Gen 1 1 x DC Jack (+12~24VDC)
Side IO	—
TPM	—
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)
Packing Content	Carton size: 488 x 361 x 178 (mm) Packing Capacity: 20pcs Including: SATA power Cable 150mm x 1 (P/N: 25CRI-150621-K1R)
Order Information	9MFLP3AHNR-SI (Bulk Packing)

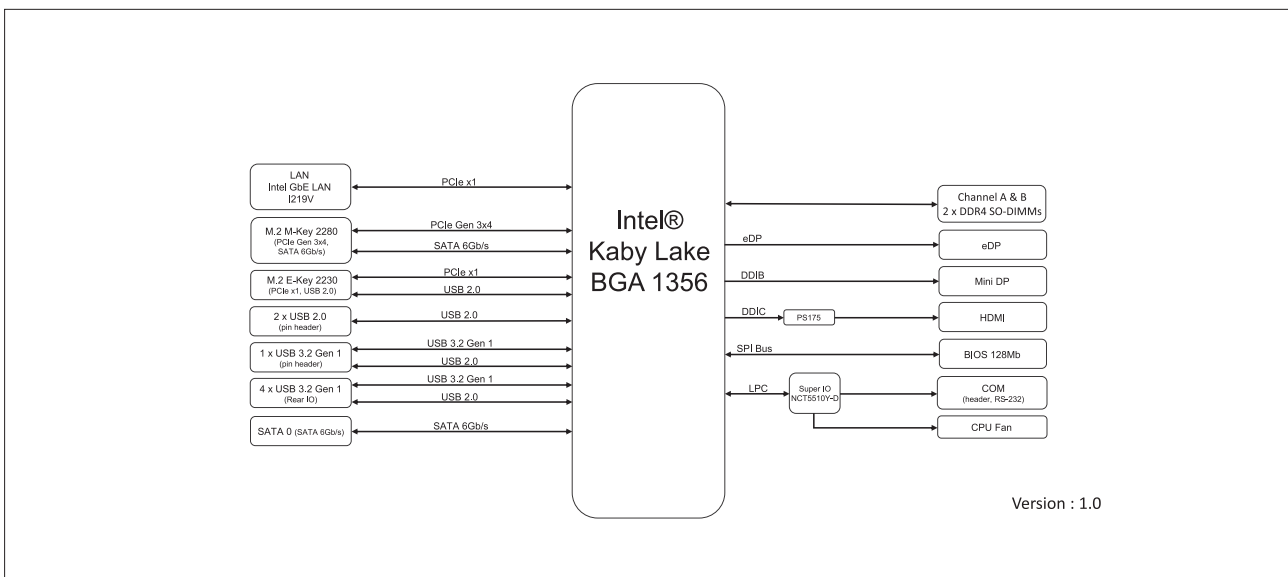
Specifications

Form Factor	Embedded Compact Board 105W x 110D (mm)
CPU	Intel® Core™ i3-7100U Processor 14nm, 2 cores, 4 threads, 2.40 GHz TDP 15W
Socket	1 x FCBGA1356
Chipset	—
Memory	2 x DDR4 SO-DIMM sockets, Max. Capacity 32GB Support Dual channel DDR4 2133 MHz memory modules
Ethernet	1 x GbE LAN Port (Intel® I219V)
Video	Integrated Graphics Processor - Intel® HD Graphics 620 support: 1 x HDMI 2.0 port, supporting a maximum resolution of 4096x2160 @60Hz 1 x mini DP port, supporting a maximum resolution of 4096x2160 @60Hz 1 x eDP port, supporting a maximum resolution of 3840x2160 @60Hz (3 independent display outputs)
Audio	Intel® integrated Audio
Storage	1 x SATA 6Gb/s port (RAID 0/1)
Raid	—

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



Block Diagram



Version : 1.0

Optional Kit

Part No.	Description	Quantity
25ST4-343202-C1R	Fansink	1
25ST5-CKAA01-A8R	Heat spreader	1
9CTM000NR-00	TPM 2.0 module	1
25CRZ-100600-S9R	TPM Cable	1

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