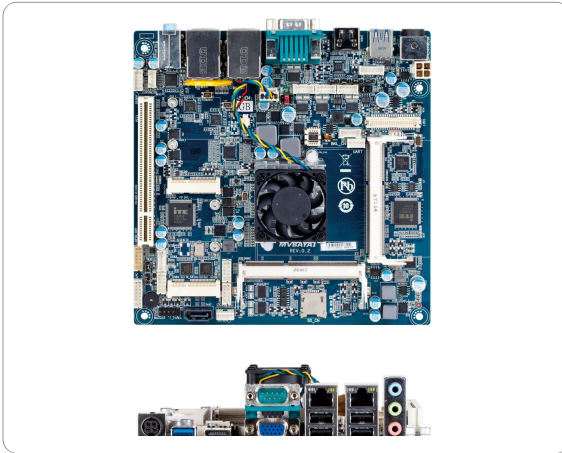


mITX-1900A (MVBAYAI)

Mini-ITX Embedded Motherboard with Intel® J1900 Processor, Dual Channel DDR3L memory, PCI, 6 x COM, 1 x SATA II, 6 x USB 2.0, 1 x USB 3.2 Gen 1



Specifications

Form Factor	Mini-ITX 170W x 170D (mm)
CPU	Intel Celeron® J1900 Processor 22nm, 4 cores, 4 threads, up to 2.42 GHz TDP 10W
Socket	1 x FCBGA 1170
Chipset	—
Memory	2 x DDR3L SO-DIMM sockets, Max. Capacity 8 GB Support Dual channel DDR3L 1333 MHz memory modules
Ethernet	2 x GbE LAN Ports (Realtek RTL8111G)
Video	Integrated Graphics Processor - Intel® HD Graphics: 1 x HDMI 1.4 port: max. resolution 1920x1080 @60Hz 1 x VGA port: max. resolution 2560x1600 @60Hz 1 x LVDS port: max. resolution 1920x1200 @60Hz (2 independent display outputs)
Audio	Realtek® Audio Codec
Storage	1 x SATA 3Gb/s Port (incl. 1 x SATA supports SATA DOM)
Raid	—
Expansion Slots	1 x Full-size mSATA slot 1 x Full-size Mini-PCIe slot 1 x PCI slot

Features

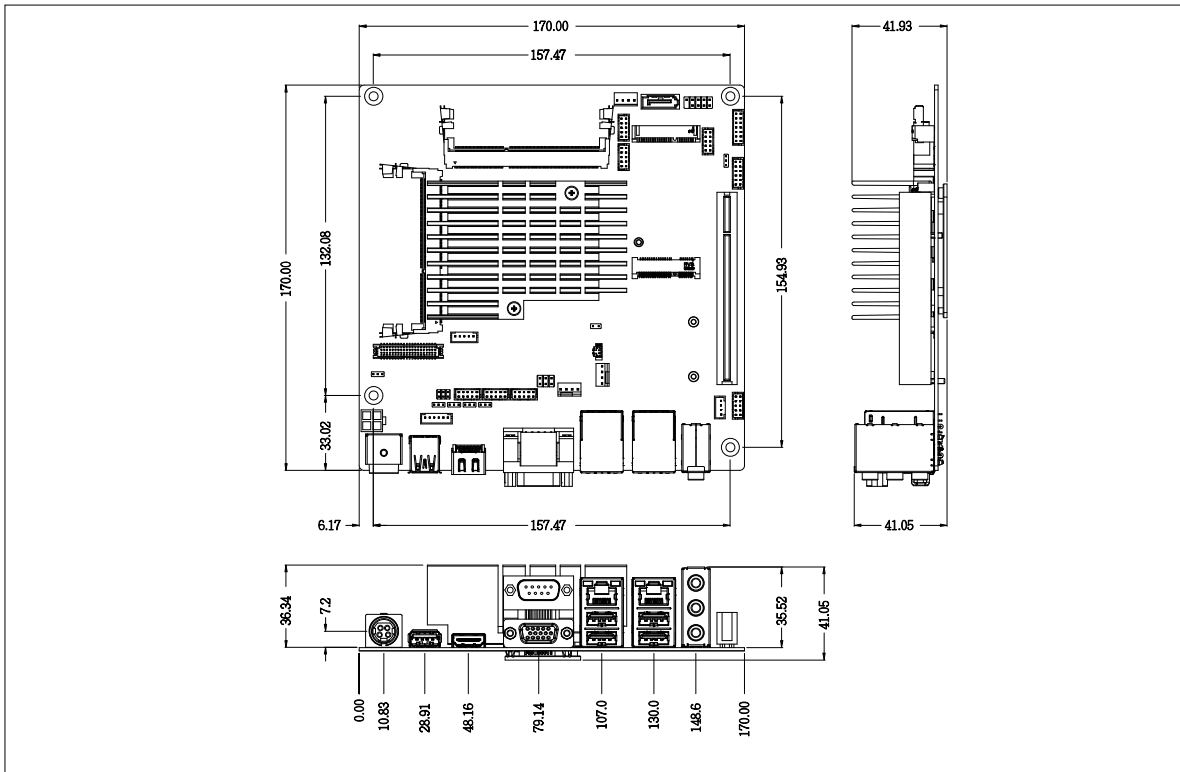
- Mini-ITX form factor
- Intel® Celeron® J1900 Processor
- Dual Channel DDR3L, 2 x SO-DIMMs
- 2 x GbE LAN Ports
- 1 x SATA 3Gb/s Port
- HDMI, VGA, eDP (in option), LVDS ports for multiple display
- 1 x PCIe x4 (Gen2 x 2) expansion slot
- 6 x COM Ports

Internal I/O	1 x 4-pin ATX power connector 1 x SATA power header 1 x CPU fan header 1 x System fan header 1 x Front panel header 1 x Front panel audio header 1 x 2W speaker out header 2 x USB 2.0 header 1 x COM header (RS-232/422/485) 3 x COM headers (RS-232) 1 x COM header (RS-232 & RI/5V/12V) 1 x GPIO (8 bits) & SMBUS header 1 x PS/2 Keyboard/Mouse header 1 x AT/ATX mode select jumper 1 x Backlight Control header 1 x Clear CMOS jumper 1 x Buzzer
Rear I/O	3 x Audio Jacks (Line in, Line out, Mic in) 1 x COM Port (RS-232) 1 x HDMI 1 x VGA 2 x RJ45 LAN Ports 4 x USB 2.0 1 x USB 3.2 Gen 1 1 x DC Jack (+12VDC)
TPM	—
OS Compatibility	Windows 8 32/64bit Windows 8.1 32/64bit
Operating Properties	Operating temperature: 0°C to 60°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -20°C to 70°C Non-operating humidity: 0%-95% (non-condensing)

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

Dimension

Unit: mm



Packing Content

- Carton size: 550 x 451 x 330 (mm)
- Packing Capacity: 20pcs
- Including:
 - IO Shield x 1 (P/N: 12AIO-MVBAY0-00R)
 - SATA power cable x 1 (P/N: 25CRI-100B00-H3R)
 - SATA Cable x 1 (P/N: 25CF4-500522-H3S)

Order Information

- Motherboard: Fan version: 9MVBAYAINS-SI
Fanless version: 9MVBAYAINS-00

2022/03/10

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