

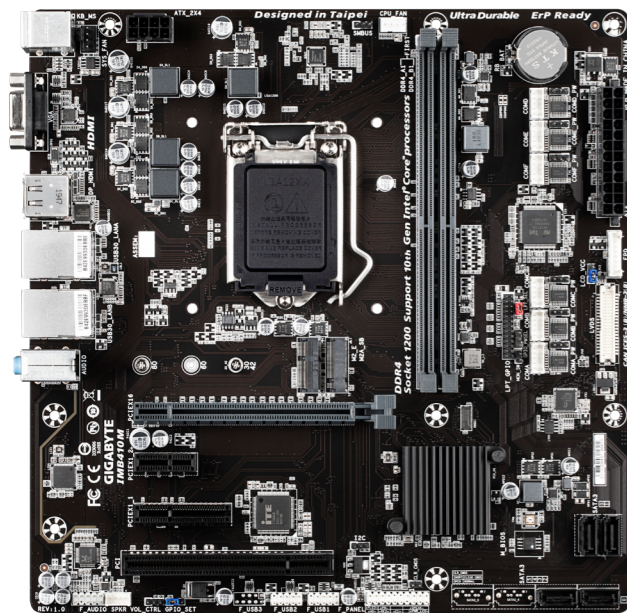
GIGABYTE™



GA-IMB410M

Intel® 10th Core I Series Embedded Micro ATX MB

Overview



Rear I/O



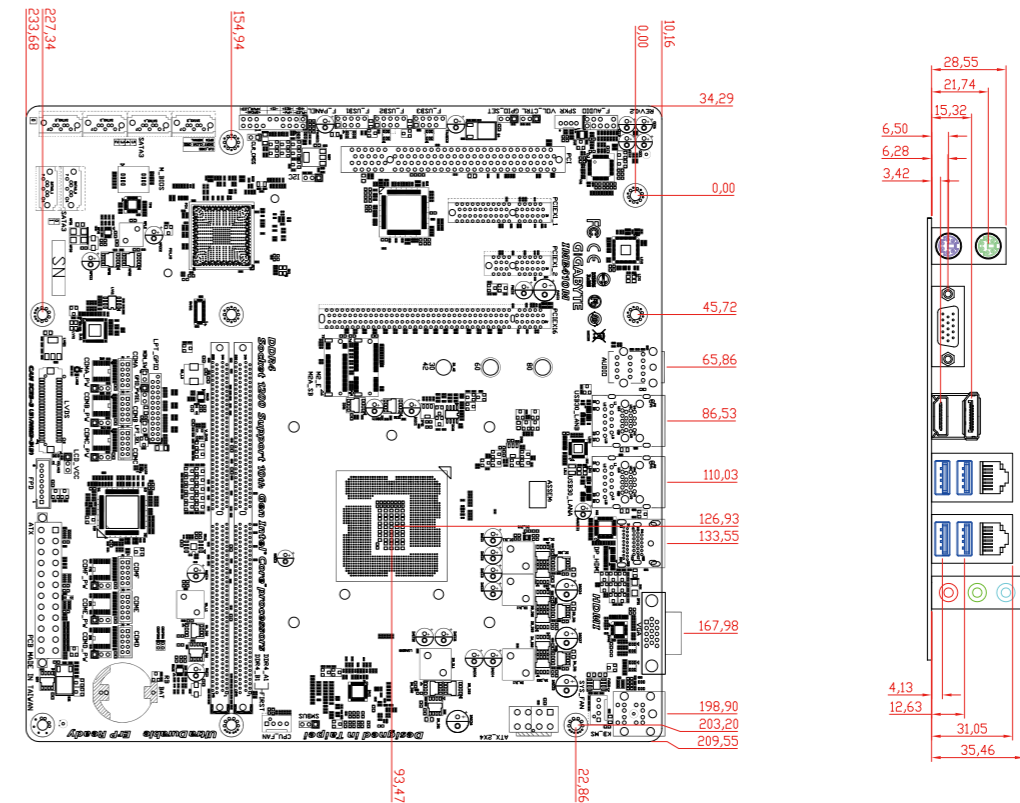
Product Feature

- Micro ATX Motherboard
- Socket LGA1200 for Intel Core i9/ i7/ i5/ i3/ Pentium/ Celeron(Comet lake-S)
- Intel® Gen9.5 Intel® Graphics DX 12, OGL4.4/4.5
- Supports Dual Channel DDR4 2666 / 2933 MHz, 2 x SO-DIMM, up to 32GB system memory
- 1 x HDMI1.4, 1 x DP Port, 1 x Dual Channel 24-bit LVDS/ eDP
- 4 x USB 3.0, 4 x USB 2.0, 4 x SATA3
- 1 x PCIe x16, 2 x PCIe x1, 1 x PCI, 1 x M.2 wifi, 1 x M.2 SSD slot
- Gigabit LAN : 2 x Intel Lan
- 1 x TPM Module IC (optional)
- ATX power require

SPEC

Form Factor	Dimensions	Micro ATX (9.6 in x 9.6-in) (244mm x 244 mm)
Processor System	CPU	Socket LGA1200 for Intel Core i7/i5/i3/Pentium/Celeron (Comet lake support 65W)
	Chipset	H410
Expansion Slot	PCI	1
	Mini-PCIe	N/A
	PCIe	x16, x1, x1
	M.2	1 x M.2 2260/80 SATA/PCIe slot for storage 1 x M.2 Wifi slot
Memory	Technology	Dual Channel DDR4 2666/2933 MHz SDRAM
	Max.	32G
Graphics	Controller	Intel® Gen9.5 Intel Graphics DX 12*, OGL4.5
	VRAM	Shared Memory
	VGA	Supports max. resolution 1920 x 1200
	LVDS	Yes, co-lay with eDP
	HDMI	HDMI 1.4, max resolution 3840 x 2160@30Hz
	DVI	No
	Display Port	Yes
	Multi Display	Yes (Dual Display)
LAN	Controller	1 x Intel® i211AT, 1 x I219V
SATA	Max DTR	SATA3 (6.0Gb/s)
Rear I/O	VGA	1
	HDMI2.0	1
	Display Port	1
	Ethernet	2
	USB	4 x USB 3.0
	Audio	3 (Mic-in, Line-out, Line-in)
	PS/2 connector	KB/MS
	USB	4 x USB 2.0 compliant
	LVDS/Inverter	1
	VGA	0
Internal Connector	Serial	6 x RS-232
	SATA	4 x SATA3 (6.0Gb/s)
	Mini-PCIe	0
	Parallel	1 (co-lay with GPIO)
	Digital I/O	8 in/ 8out
	I2C/SMBUS	1
	SATA PWR Output	0
Watchdog Timer	Output	From Super I/O to drag RESETCON#
	Interval	256 segments, 0,1,2...255sec/min
Power Requirements	Input PWR	ATX 8 Pin ATX PWR connector
	Power On	AT/ATX Supported
		AT: Directly PWR on as Power input ready ATX: Press Button to PWR on after Power input ready
Power consumption	Typical	TBD
Certification	EMC	CE/FCC
Environment	Operating Temperature	0°C – 60°C

Mechanism Drawing



Ordering Information

Model Name	Ordering Information
GA-IMB410M	Socket 1200, HDMI1.4, DP, VGA, LVDS, 4 x SATA, Dual LAN, 4 x USB3.0/4 x USB2.0, 6 x RS-232 1 x PCIe x16, 2 x PCIe x1, 1 x M.2 Wifi, 1 x M.2 SSD, ATX

Optional Accessories

Part Number	Cable Usage	Description
12CF1-1CM011-01R	COM	1IN1 CB/JST 2*5P/PH2/KIMWELL COM 9MA(PC99)/200mm+SCREW*2
12CF1-2SAT1B-01R	SATA	2IN1 CB/SATA(S)/BLACK/CODE CPU90*180*1/180*180*1/2H*8P/50 CM
24TSE-621PET-01R	Cooler	Low profile CPU cooler

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