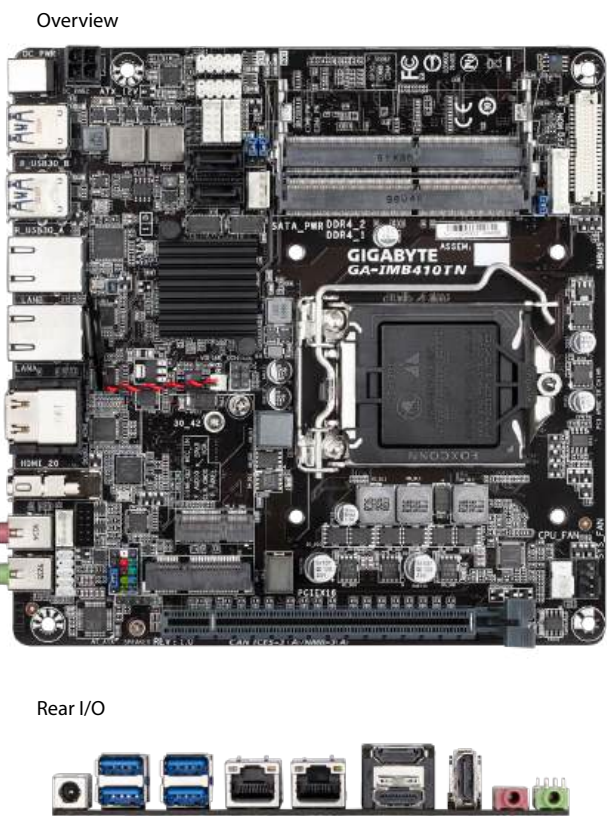


GA-IMB410TN

Intel® 10th Core I Series

Embedded Mini ITX MB



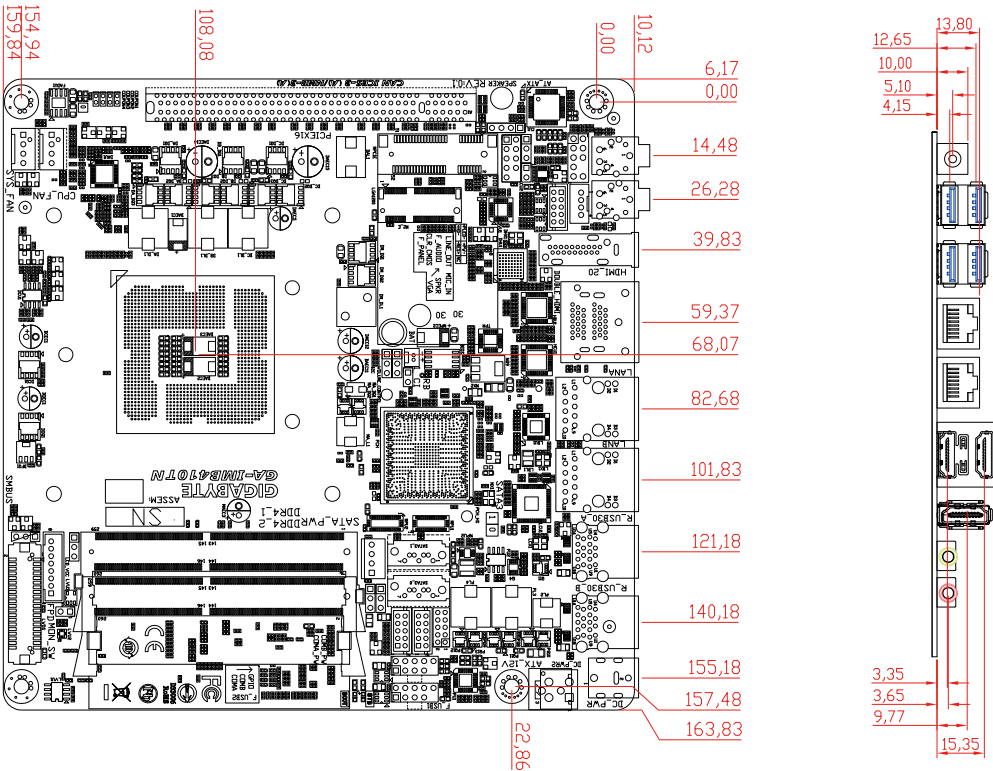
Product Feature

- Thin Mini ITX 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 HDMI 2.0,2 x HDMI1.4Aa, 1 x Dual Channel 24-bit LVDS
- 4 x USB 3.0, 4 x USB 2.0, 2 x SATA3
- 1 x PCIe x16, 1 x Mini PCIe, 1 x M.2 Wifi , 1 x M.2 SSD slot
- Gigabit LAN : 2 x Intel Lan
- 1 x TPM Module IC (optional)
- DC in 12/19~24V

SPEC

Form Factor	Dimensions	Thin Mini-ITX (6.7-in x 6.7-in)/(170 x 170 mm)
Processor System	CPU	Socket LGA1200 for Intel Core i7/i5/i3/Pentium/Celeron (Comet lake support 65W)
	Chipset	H410
Expansion Slot	PCI	0
	Mini-PCIe	1x Full size mini-PCIe slot, co-lay with mSATA
	PCIe	x16
	M.2	1 x M.2 2280 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	Optional support, default is HDMI
	LVDS	Yes
	HDMI	HDMI 2.0/1.4a, max resolution 3840 x 2160@60Hz
	DVI	No
	Display Port	No
	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	0
	HDMI 2.0/1.4a	1/2
	Display Port	0
	Ethernet	2
	USB	4 x USB 3.0
	Audio	2 (Mic-in, Line-out)
	Serial	0
Internal Connector	USB	4 x USB 2.0 compliant
	LVDS/Inverter	1
	VGA	0, co- lay with HDMI
	Serial	2 x RS-232, 2 x RS-232/422/485
	SATA	2 x SATA3 (6.0Gb/s)
	Mini-PCIe	1
	Parallel	0
Watchdog Timer	Digital I/O	4 in / 4 out
	I2C/SMBUS	1
	SATA PWR Output	1
Power Requirements	Input PWR	From Super I/O to drag RESETCON#
	Interval	256 segments, 0,1,2...255sec/min
Power Requirements	Power On	12/19-24V DC-In (4-pin ATX PWR connector co-lay with Pheonix connector
		AT/ATX Supported
		AT:Directly PWR on as Power input ready
Power consumption		ATX: Press Button to PWR on after Power input ready
	Typical	TBD
Certification	EMC	CE/FCC
Environment	Operating Temperature	0°C – 60°C

Mechanism Drawing



Ordering Information

Model Name	Ordering Information
GA-IMB410TN	Socket 1200, HDMI 2.0, HDMI 1.4a, LVDS, 2 x SATA, Dual LAN, 4 x USB3.0 / 4 x USB2.0, 2 x RS232, 2 x RS232/422/485, 1 x Mini PCIe/mSATA, 1 x M.2 Wifi, 1 x M.2 SSD, PCIe x16, DC in, OP 0~60 degre

Optional Accessories

Part Number	Cable Usage	Description
12CF1-1CM011-01R	COM	1IN1 CB/JST 2*5P/PH2/KIMWELL COM 9MA(PC99)/200mm+SCREW*2
12CF1-1SATPW-01R	SATA Power	1IN1 CB FOR SATA POWER/KIMWELLS4P/15P*2/300mm Y cable
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

Chassis Information

Part Number	Usage	Description
24EC5-1TM10A-01R	Chassis	Thin mini ITX chassis Size :204.6 x 205 x 45 mm



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