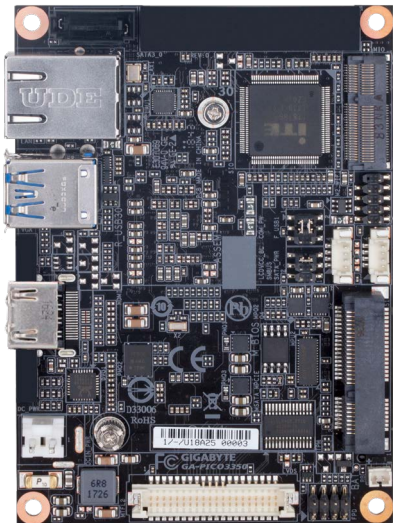


GIGABYTE™

GA-PICO3455

Intel® Apollo lake SoC
Embedded PICO-ITX MB

Overview



Rear I/O



Product Feature

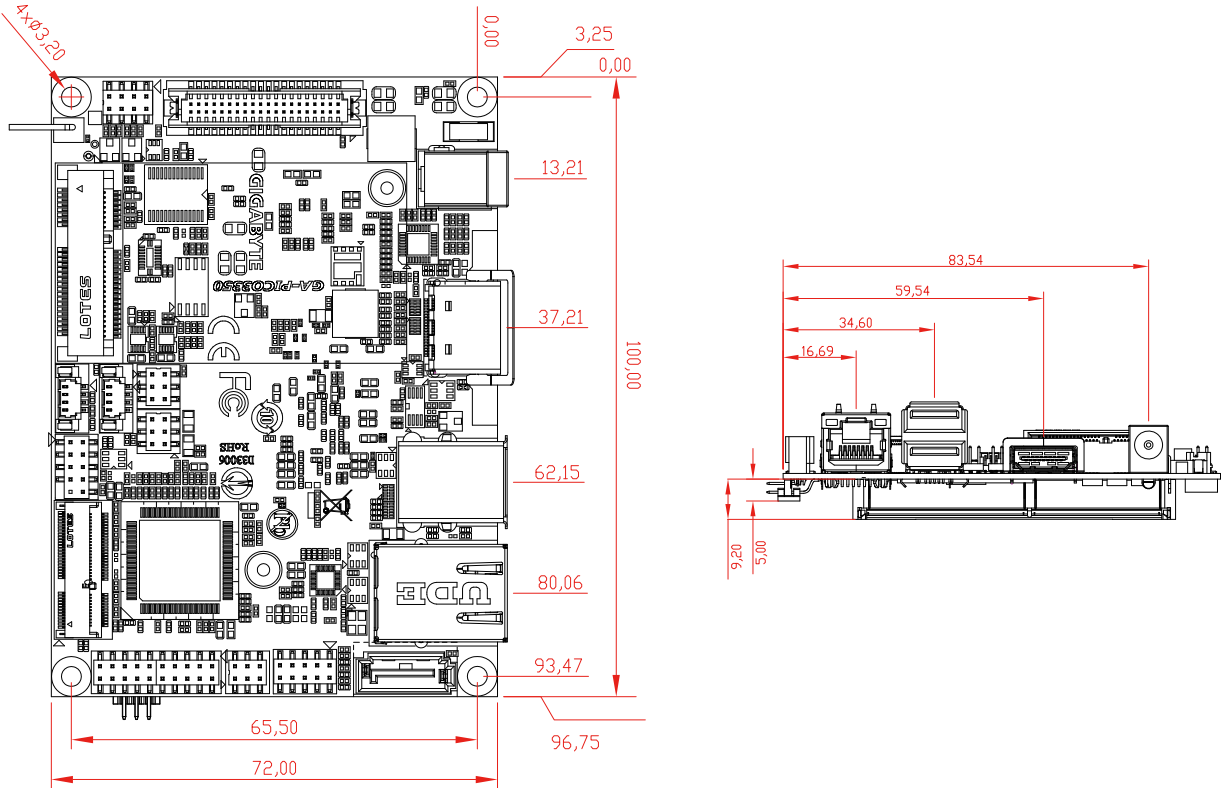
- PICO ITX**
2.5 inch Single board Computer (100 mm x 72 mm)
- Intel®Celeron J3455 Apollo lake SoC Processor
 - Integrated Intel® Gen8 Intel Graphics DX 11*, OGL3.2
 - Supports Single Channel DDR3L 1600/1866MHz,
 - 1 x SO-DIMM, up to 8GB system memory
 - 1 x HDMI, 1 x Dual Channel 24-bit LVDS
 - 2 x USB 3.0, 2 x USB 2.0, 1 x SATA3
 - 1 x mini-PCIe, co-lay with mSATA
 - Gigabit LAN : 1 x Realtek Lan
 - 1 x TPM2.0 Module IC onboard
 - 12 V DC-in



SPEC

Form Factor	PCB Size	2.5 inch PICO-ITX (3.94-in x 2.83-in)(100mmx72mm)
Processor System	CPU	Intel® Celeron Apollo Lake SoC Supports Hyper-Threading Technology Default J3455 Dual core 10W processor
	BIOS	UEFI
Expansion Slot	PCI	0
	Mini-PCIe	1x Full size mini-PCIe slot,co-lay with mSATA
	SIM	0
Memory	Technology	One Channel DDR3L 1600/1866 MHz SDRAM SODIMM
	Max.	8G
Graphics	Controller	Intel® Gen8 Intel® Graphics DX 11*, OGL3.2
	VRAM	Shared Memory
	VGA(Optional)	Supports max. resolution 1920 x 1200
	LVDS	Dual channel 24-bit , max resolution 1920 x 1200@60Hz
	HDMI	Supports HDMI 1.4a, max resolution 1920x1200(Optional), co-lay with VGA
	DVI	No
	Display Port	No
	Multi Display	Yes (Dual Display)
EThernet	Controller	1 x Realtek RTL8111H Giga LAN
	Connector	1 x RJ-45
SATA	Max DTR	SATA3 (6.0Gb/s)
Rear I/O	VGA	0
	HDMI	1
	DVI-I/D	0
	Display Port	0
	Ethernet	1
	USB	2 x USB 3.0
	Audio	0
	Serial	0
Internal Connector	USB	2 x USB 2.0 compliant
	LVDS/Inverter	1/1
	VGA	0 (co-lay with HDMI)
	Serial	2 RS-232 (COM1 support RS-232/RS-422/485)
	SATA	1 x SATA3 (6.0Gb/s)
	Mini-PCIe	1(1 x co-lay with mSATA SSD)
	Parallel	0
	Digital I/O	2 in/2 out
Watchdog Timer	I2C/SMBUS	1 x SMBUS only
	SATA PWR Output Con	1
	Output	From Super I/O to drag RESETCON#
Power Requirements	Interval	256 segments, 0,1,2...255sec/min
	Input PWR	12V DC-In Jack
	Power On	AT/ATX Supported AT: Directly PWR on as Power input ready ATX: Press Button to PWR on after Power input ready
Certification	Typical	N3350, DDR3L 4G, SSD ,1.3A@+12V
Environment	Operating Temperature	0°C – 60°C

Mechanism Drawing



Ordering Information

Model Name	Ordering Information
GA-PICO3455	J3455 HDMI, Dual Channel 24 bit LVDS, SATA, mSATA , Single LAN, 2 x USB 3.0, 2 x USB 2.0 Mini PCIe, DC in 12V, 2 in/2 out DIO ,TPM, SMBUS

Optional Accessories

Part Number	Cable Usage	Description
12CF1-1CM011-21R	COM	1IN1 CB/PH 2*10P/PH2/SHORT/KIM
12CF1-1SATPW-91R	SATA Power	1IN1 CB FOR SATA POWER/KIMWELL
12CF1-2SAT1B-01R	SATA	2IN1 CB/SATA(S)/BLACK/CODE KIM
12CR1-1AU001-11R	Audio cable	AUDIO*2(LINE IN/OUT)/80MM/KIML
12CR1-1UB001-01R	USB	1IN1 2USB2.0*10P BLACK/KIMWELL

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