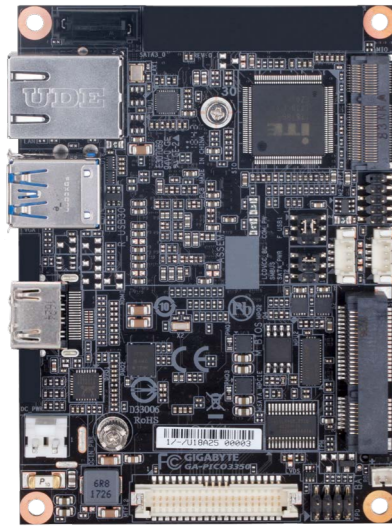


# GIGABYTE™

## GA-PICO3350

### 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)**

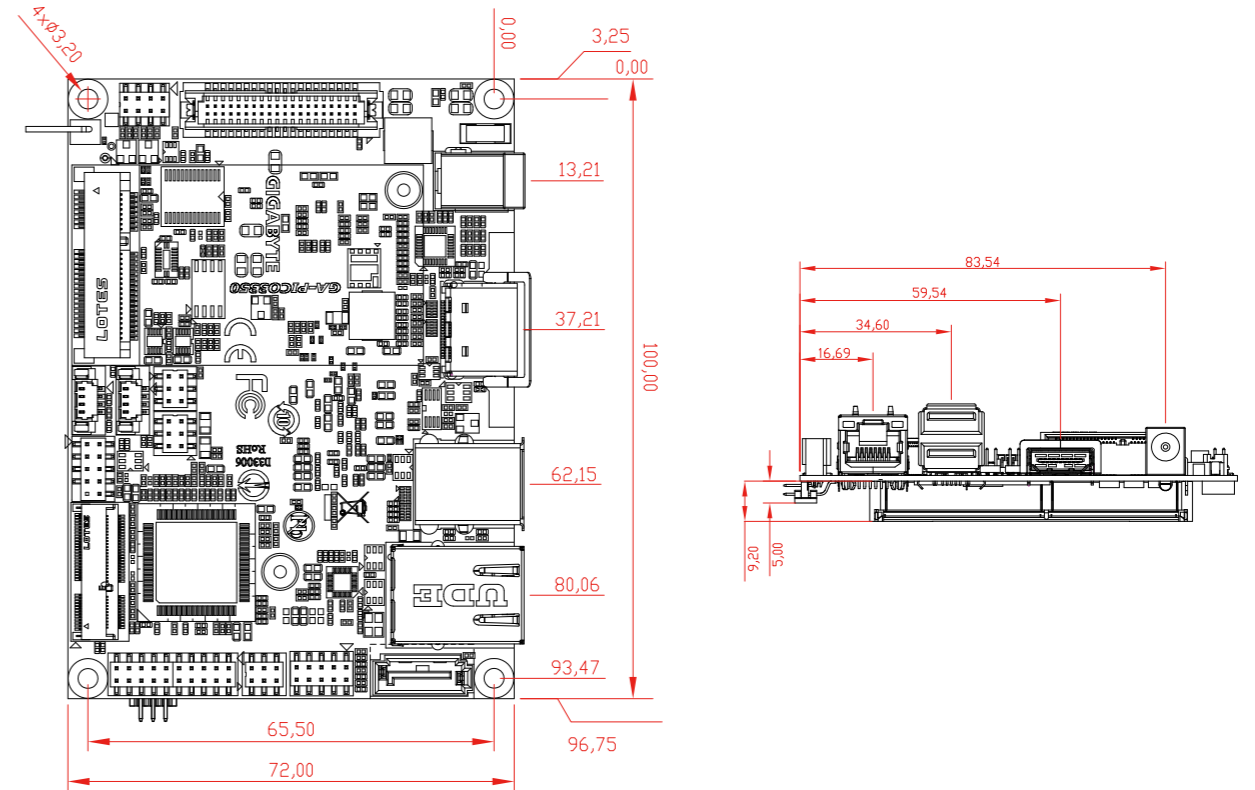
- Intel®Celeron N3350 Apollo lake SoC Processor
- Integrated Intel® Gen8 Intel Graphics DX 11\*, OGL3.2
- Supports Single Channel DDR3L 1600/1866MHz,
- 1 x SO-DIMM, up to 8GB system memory
- 1 x HDMI, 1 x Dual Channel 24-bit LVDS
- 2 x USB 3.0, 2 x USB 2.0, 1 x SATA3
- 1 x mini-PCIe, co-lay with mSATA
- 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 N3350 Dual core 6W 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
Ethernet	Multi Display	Yes (Dual Display)
	Controller	1 x Realtek RTL8111H Giga LAN
SATA	Connector	1 x RJ-45
	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
Internal Connector	Serial	0
	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	
Watchdog Timer	Digital I/O	2 in/2 out
	I2C/SMBUS	1 x SMBUS only
Power Requirements	SATA PWR Output Con	1
	Output	From Super I/O to drag RESETCON#
	Interval	256 segments, 0,1,2...255sec/min
Certification	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
	Typical	N3350, DDR3L 4G, SSD ,1.3A@+12V
Environment	Operating Temperature	0°C – 60°C

### Mechanism Drawing



### Ordering Information

Model Name	Ordering Information
GA-PICO3350	N3350 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

\* The entire materials provided herein are for reference only. GIGABYTE reserves the right to modify or revise the content at anytime without prior notice. \* Advertised performance is based on maximum theoretical interface values from respective Chipset vendors or organization who defined the interface specification. Actual performance may vary by system configuration. \* All trademarks and logos are the properties of their respective holders. \* Due to standard PC architecture, a certain amount of memory is reserved for system usage and therefore the actual memory size is less than the stated amount.