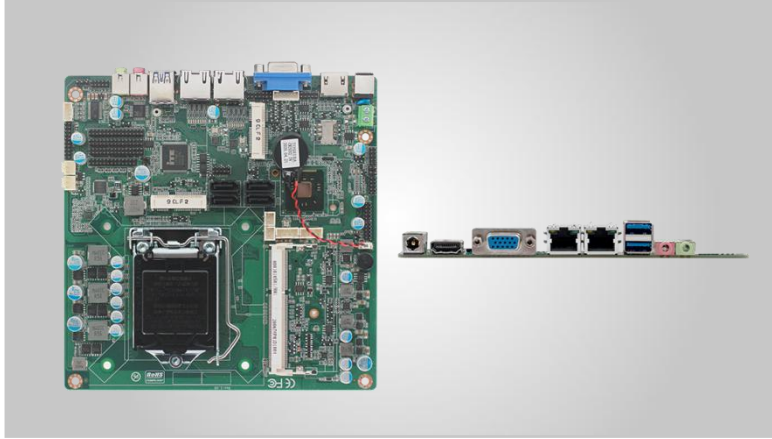


# TOP81D (R100) Perfect heat dissipation\timing

## boot



- ◆ Support LGA1150 socket Intel 4<sup>th</sup> i3-i5-i7 Celeron/Pentium series CPU;
- ◆ 1\*DDR3 SODIMM 204 Socket ram socket, MAX support 16G;
- ◆ onboard 2\*Gigabit Ethernet;
- ◆ 1\*HDMI, 1\*VGA, 1\*LVDS/EDP (EDP or LVDS optional);
- ◆ 4\*RS-232, 2\*RS422/485 (Optional 6 RS232 or 5 RS232 and 1 RS422/RS485);
- ◆ 1\*PCIE 16X interface;
- ◆ DC 12V voltage input;
- ◆ size 170\*170mm.

## Specification

Processor System	CPU	Support LGA1150socket Intel 4 <sup>th</sup> i3/i5/i7/Celeron/Pentiumseries CPU
	CPU package	LGA1150
	chipset	H81/B85high speed chipset
	BIOS	EFI BIOS
Ram	Technology Architecture	Single channel DDR3 1066/1333/1600MHz
	Capacity	1*DDR3 SODIMM 204 Socket, MAX SUPPORT 16GB DDR3 RAM, 1066/1333/1600MHz
Video	Graphic Controller	Intel HD Graphics 4400(I3-4160 graphics card); graphics models related to CPU
	Dual LVDS and EDP	Support dual channel 24bits output, Max support resolution :1920 x 1200 EDP max support resolution 3840*2160 (LVDS or EDP only can choose one)
	HDMI	HDMI Max support resolution 4096@2304@30Hz
	VGA	VGA Max support resolution 2048x1536
	Dual display	LVDS/EDP+VGA, LVDS/EDP+HDMI, HDMI+VGA asynchronous or asynchronous display
	Triple display	LVDS/EDP+VGA+HDMI asynchronous or asynchronous display (H81 chip don' t support triple display)
I/O backpanel	Ports	1*DC 1*VGA 1*HDMI 2*LAN 2*USB3.1 1*LINE OUT 1*MIC
NETWORK	CONTROLLER	2*RTL8111HGigabit Ethernet, RJ45 INTERFACE (When the I/O interface is 4 USB, only 1 network card)
AUDIO	CONTROLLER	Realtek HD ALC662 Audio decoding (left and right channels + microphone)
Super I/O	CONTROLLER	ITE8786E
HARDWARE MONITORING	Watchdog timer	0-255 seconds, provide watchdog routine
	Cooler	Aluminum radiator with fan
Input/output interface	USB	8*USB2.0, 2*USB3.0 (8 USB2.0 pin headers for dual network cards) 6 USB2.0 for H81 screen and chipset, 2 USB3.0
	COM	6 serial ports (optionally 5 RS232 and 1 RS485/RS422, 4 RS-232, 2 RS422/485 or 6 RS232, RS485 supports automatic flow control)
	GPIO	8bit, sample code, Free defination input or output , 3.3V@24mA
Expansion bus	Mini-PCle	1*Mini-PCle socket, support PCIe and USB device
	NGFF	1*NGFFinterface (KEY E)
Storage	SATA	2 standard SATAII interfaces on the H81 chipset, the maximum transfer rate is 3Gb/s, one SATAIII interface is SATA1, the maximum transfer rate is 6Gb/s, and the B85 chipset is 4 SATAIII interfaces, the maximum transfer rate is 6Gb/s
	M-SATA	1 Mini-PCle M-SATA Scket, support SANDISK protocol, maximum transfer rate 6gb/s
power supply	Power type	Single input DC power supply, DC12V, +/-5%
	Operating	-20℃ ~ +60℃

working environment	temperature	
	storage temperature	-40℃ ~ +85℃
	Working humidity/Storage humidity	0% ~ 90% relative humidity, no condensation
System Support		Windows7 Windows8.1 Windows10 Linux
physical dimension	Size	170*170 mm
	N. W	0.6KG

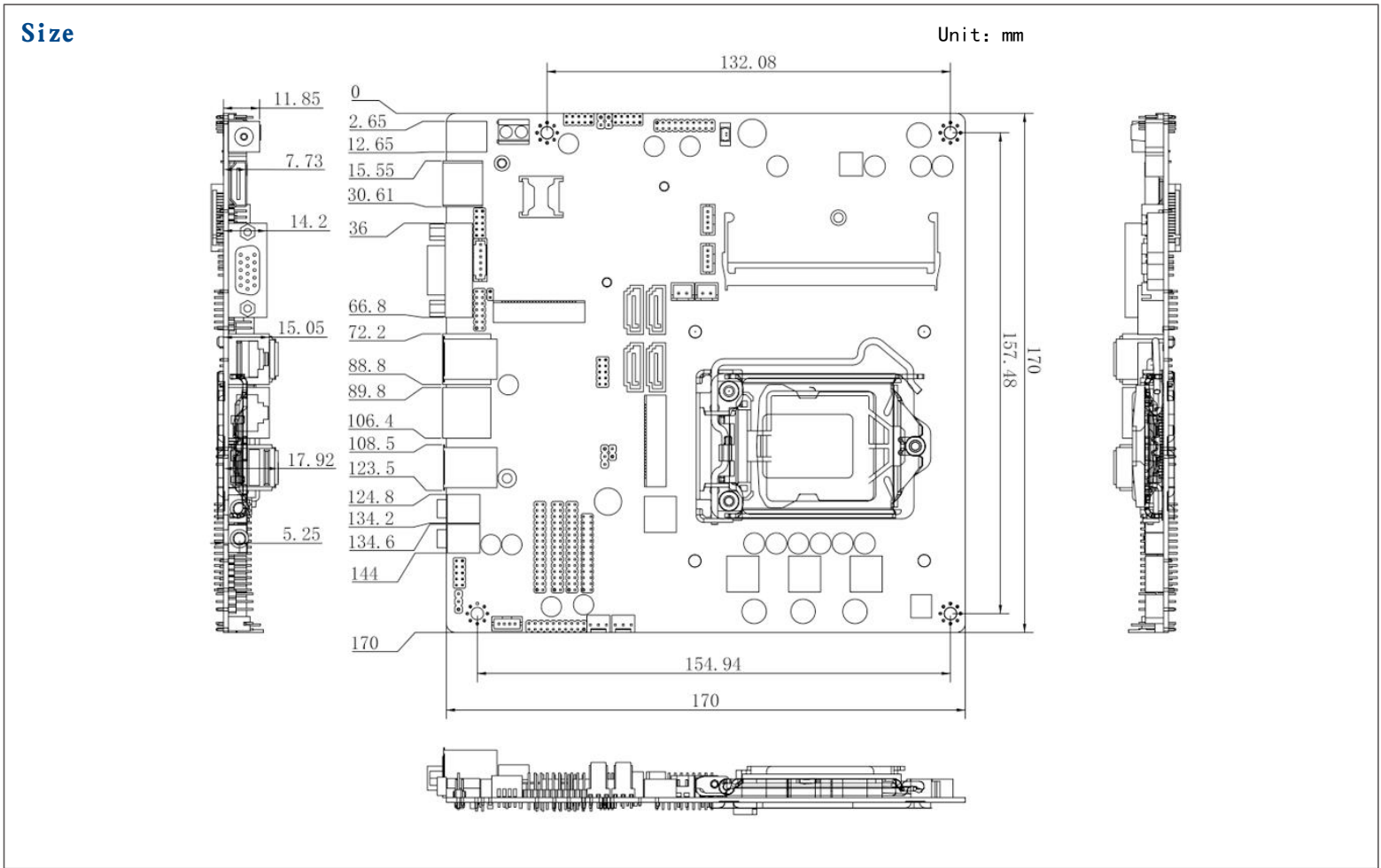


Certification		CE, RoHS, FCC
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# TOP81D(R100)



## Order Info

Item NO	Description	CPU optional
TOP81D	Support LGA1150 interface Intel 4 <sup>th</sup> i3/i5/i7/Celeron/Pentium CPU	Intel 4 <sup>th</sup> i3/i5/i7/Celeron/Pentium CPU

