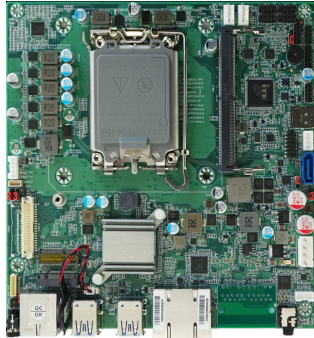




ITX-i93QI-H610

Intel H610 Chipset, 2 x LAN, 6x COM, 8 x USB, 1 x MiniPCIe, Mini-ITX motherboard



Mainboard & Chassis

System	
CPU	Intel® Alder lake 12th Generation Core™ i9/ i7/i5/i3, TDP 35W/65W CPU
Chipset	Intel® H610 Chipset
Memory	1 x DDR5 4800MHz SODIMM, Max Memory Size up to 32 GB
Ethernet Chipset	1 x Intel® i210-AT GbE(10/100/1000Mbps), 1 x Intel® i219-LM GbE(10/100/1000Mbps)
BIOS	AMI UEFI BIOS
TPM	On board (Optional)
Watchdog Timer	System Reset, Programmable via software from 1 to 255 seconds
I/O	
Rear I/O	2 x USB3.2 Gen2(10Gb/s), 2 x USB3.2 Gen1(5Gb/s) 2 x RJ45 (10/100/1000) default, up to 4 LAN optional 1 x Line out&Mic in (2 in 1) 1 x Remote ON-OFF(co-lay power button)
Internal I/O	1 x LVDS/eDP:LVDS max resolution up to 1920 x 1200@60Hz,eDP up to 4096x2304@24Hz(LVDS / eDP either one) 2 x RS232/422/485, 4 x RS232 2 x USB2.0 (Pin header), 1 x USB2.0 (9PIN) for resistive touch, 1 x USB2.0 (4PIN) for capacitive touch 1 x Speaker(L&R) (3W4Ω) 1 x LPC 1 x CPU Fan, 1 x System Fan 1 x 8bit GPIO 1 x FP(power button,power led,reset,HDD led)
Audio	Realtek ALC888S HD Audio codec, supports 5.1-channel
Internal I/O	
Expansion	1 x M.2 2242 M key(SATA3.0) for SATA SSD 1 x M.2 2230 E key(SATA3.0) for WIFI 1 x Mini-PCIe slot (PCIe/ USB2.0 signal supported) 1 x SIM socket

Features

- Intel® 12th Gen Core™ i9/i7/i5/i3/Pentium®/Celeron® Processor, TDP up to 35W/65W
- Dual Channel 1 x SO-DIMM Slot, DDR5 4800MHz, up to 32 GB
- Support 1 x HDMI, 1xDP, 1 x LVDS or eDP, three screen display
- Support 2 x Intel LAN, 4 x USB3.0, 4 x USB2.0, 8bits GPIO
- Support 2 x RS-232/422/485& 4x RS232 Serial port
- 1 x SATA 3.0, 1 x M.2 2230, 1 x M.2 2242

Storage	1 x SATA 3.0 1 x M.2 2242 M Key (SATA)
Audio	Realtek ALC888S (with 3W Amp.) 1 x Audio Header

Display

Graphic Chipset	Intel® UHD Graphics 770
Display Port	1 x HDMI: max resolution up to 4096x2160@24Hz 1 x DP: max resolution up to 7680x4320@60Hz

Certification

CE, FCC

OS Support

Windows 10, Windows 11, Linux

Mechanical & Environmental

Power Requirement	19~24V DC IN
Operating Temp.	0 ~ 60°C (32 ~ 140°F)
Storage Temp.	-40 ~ 85° C (-40 ~ 185°F)
Operation Humidity	10 ~ 95% (non-condensing)
Storage Humidity	5%~95% (non-condensing)
Dimensions (L x W)	170 x 170 mm (6.75" x 6.75")

Ordering Information

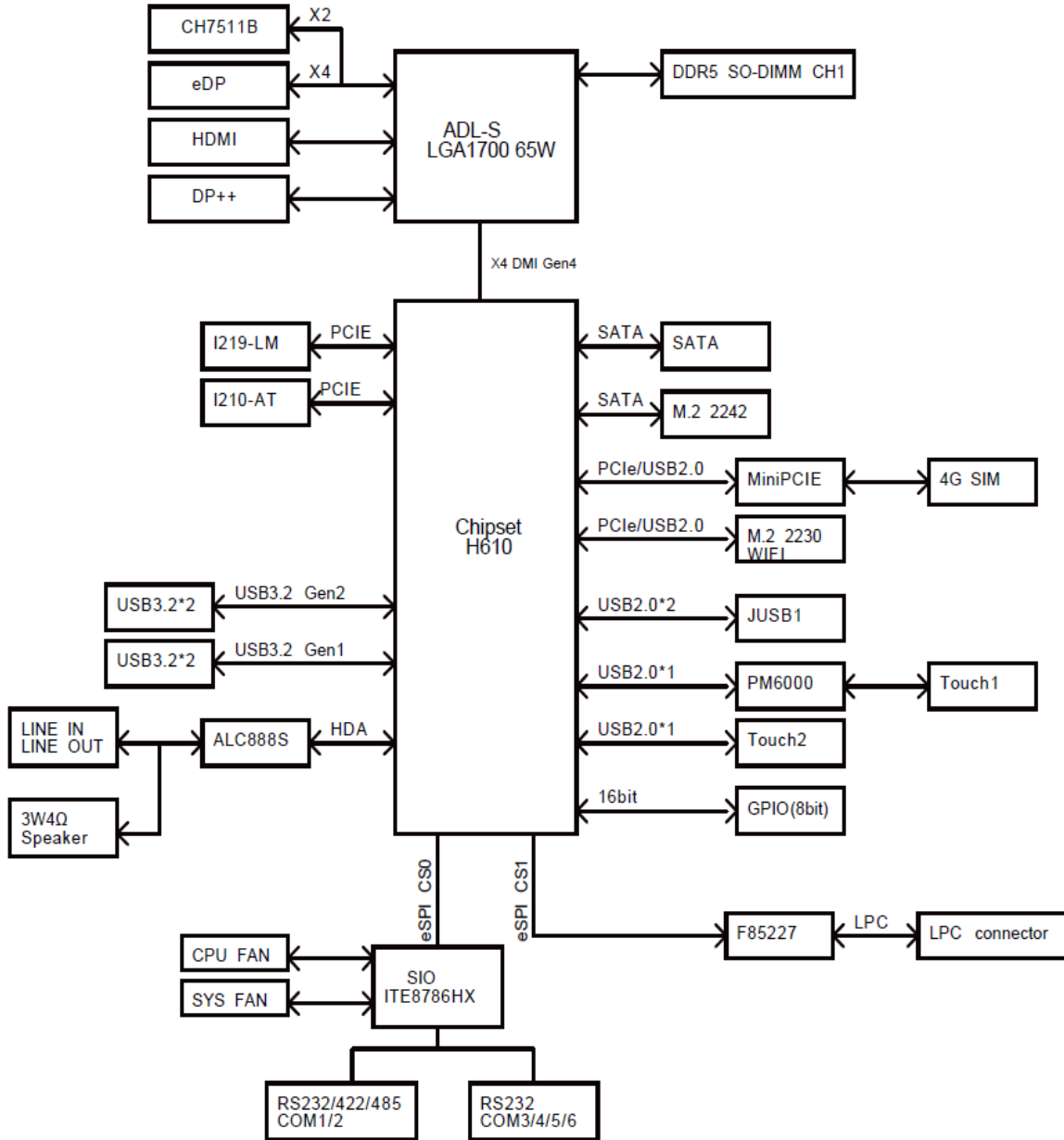
35091B100-38L-G	SATA power& data cable, 150mm, +/-10mm
35107YM00-38L-G	4pin phenonix power cable 10cm





ITX-i93QI-H610

Dimension



Optional Accessory

35105R200-JTU-G	1 to 2 USB2.0 cable, 200mm+/-10mm
35107G600-JTU-G	COM1/2/3/4/5/6, 1 port COM cable,150mm

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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