

iTXL-6100B

Thin Mini-ITX Embedded Motherboard with Intel® Core™ i3-6100U Processor, Dual Channel DDR4 memory, 4 x COM, 2 x SATA 6Gb/s, 8 x USB



Features

- Thin Mini-ITX form factor
- Intel® Core™ i3-6100U Processor
- Dual Channel DDR4, 2 x SO-DIMMs
- 2 x GbE LAN ports
- 2 x SATA 6Gb/s ports
- HDMI, Display Port, LVDS or eDP ports for multiple display
- Realtek ALC269 audio codec
- 2 x RS232/422/485/5V/12V/RI COM ports
- 2 x RS232 COM ports

Specifications

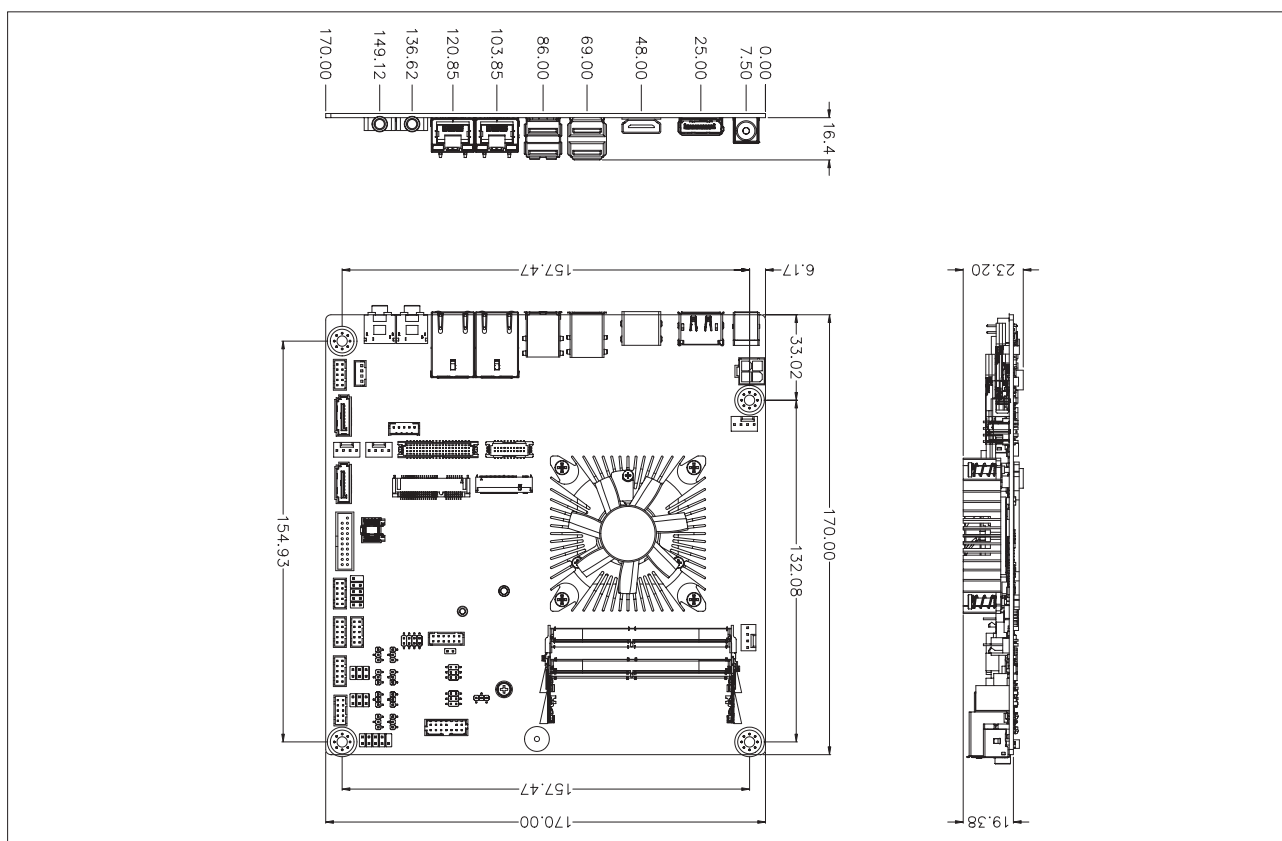
Form Factor	Thin Mini-ITX form factor 170W x 170D (mm)
CPU	Intel® Core™ i3 6100U, 2.30 GHz 3 MB SmartCache
Socket	1 x FCBGA1356
Chipset	—
Memory	2 x DDR4 SO-DIMM sockets supporting up to 32 GB of system memory Dual channel memory architecture Support for DDR4 2133 MHz memory modules
Ethernet	2 x GbE LAN ports (Intel® i219V and Intel® i211AT)
Video	Integrated Graphics Processor - Intel® HD Graphics 520 1 x HDMI port, supporting a maximum resolution of 4096x2160@24Hz 1 x DP port, supporting a maximum resolution of 4096x2160@60Hz 1 x LVDS port, supporting a maximum resolution of 1920x1080@60Hz 1 x eDP port, supporting a maximum resolution of 1920x1080@60Hz * Support for HDMI 1.4 version
Audio	Realtek ALC269 High Definition Audio
Storage	2 x SATA 6Gb/s ports (1 x SATA support SATA DOM)
Raid	RAID (0/1/5)
Expansion Slots	1 x Mini PCIe (Full Size) 1 x M.2 slot: - M-key - SATA 6Gb/s / PCIe X2 - Supports NGFF- 2242/2280 cards

Internal I/O	2 x SATA 6Gb/s connectors 2 x USB 3.0 headers or 2* USB header 2 x USB 2.0 headers 1 x Front panel header 1 x Front panel audio header 1 x 2W Speaker out header 1 x LVDS connector 1 x LCD_VCC Pin header 1 x Back Light Switch 1 x System fan header 1 x CPU fan header 2 x COM Headers (RS-232) 2 x COM headers (RS-232/422/485 and RI/5V/12V) 2 x SATA Power connector 1 x eDP 1 x GPIO (8 bits) & SMBUS
Rear I/O	2 x Audio jacks (Line out, Mic in) 1 x HDMI 1 x Display Port 2 x RJ45 2 x USB2.0 2 x USB3.0 1 x DC Jack (+12Vdc)
TPM	1 x TPM header
OS Compatibility	Windows 10 (x64) Windows 7 (x64)
PSU Connectors	1 x 12V DC-in 1 x 4-pin ATX power connector
Operating Properties	Operating temperature: 0°C to 60°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -40°C to 85°C Non-operating humidity: 0%-95% (non-condensing)

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Dimension

Unit: mm



Packing List

- BOX Packing Capacity: 10pcs
- Carton size: 460 x 345 x 203 (mm)
- Content:
 - IO Shield x 1 (12AIO-MKLPC0-00R)
 - SATA Power cable x 1 (25CRI-200B02-K1R)

Order Information

- 9MKLPCCIMR-SI

Optional Kit

- TPM 1.2 module: 9CMUFLNR-00
- TPM 2.0 module: 9CTM000NR-00

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