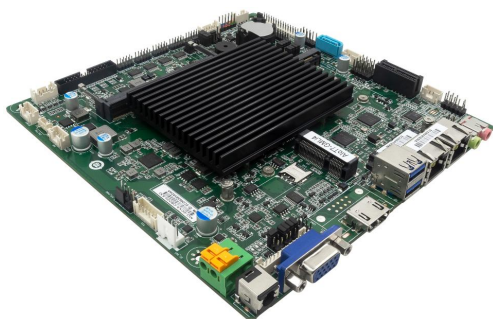


AIoT7-GMLi

Standard tMini ITX motherboard

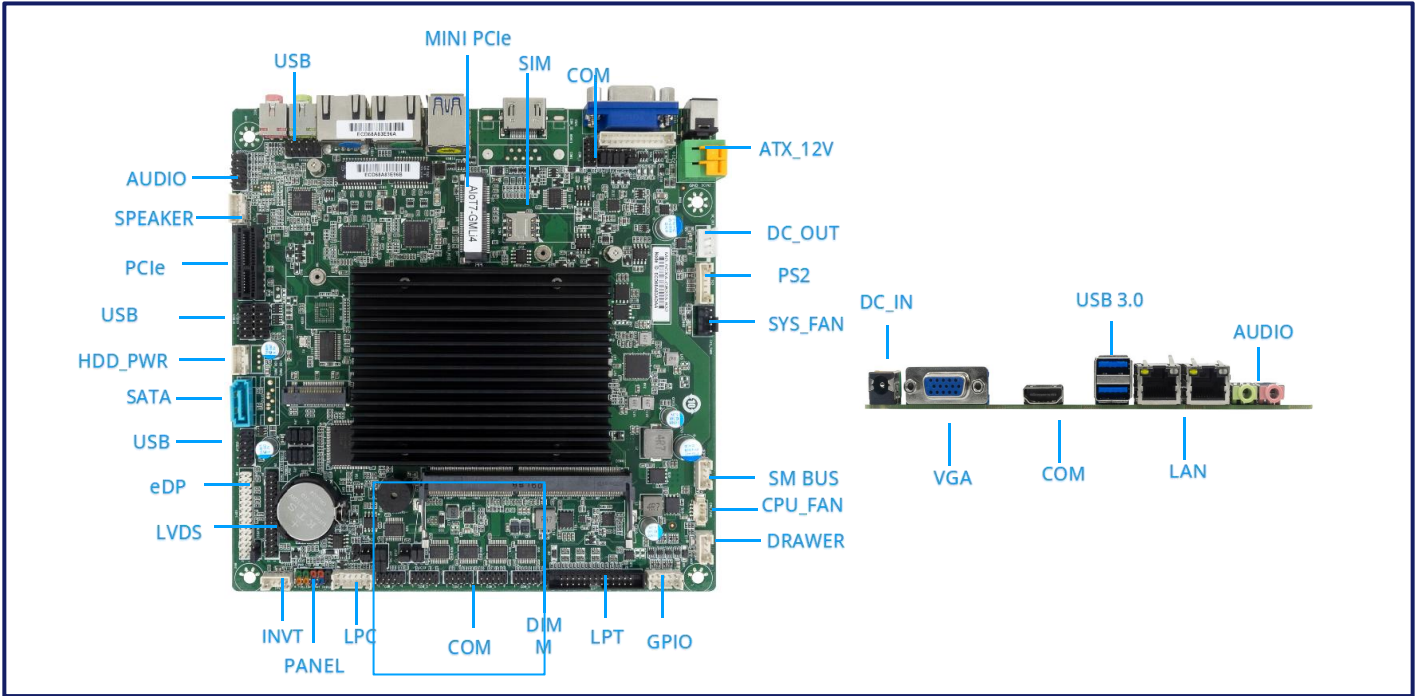


- Onboard Intel Gemini Lake 4 Core J4125 2.0~2.7GHz CPU
- 1 DDR4 SO-DIMM slot, 8GB max
- 3 Display port/ 2 SATA / 2 GbE / 10USB / 6COM / 2 PCIe
- 6 RS232, COM1 supports RS485, and COM2 & 3 supports serial power supply
- 2 Intel i226V high-speed Ethernet ports
- 1 mPCIe (with SIM support for 4G), 1PCIe x1 slot
- One M.2 Support for SSD (2242 / 2280)
- Support digital audio output with power amplifier
- Support cassette control interface

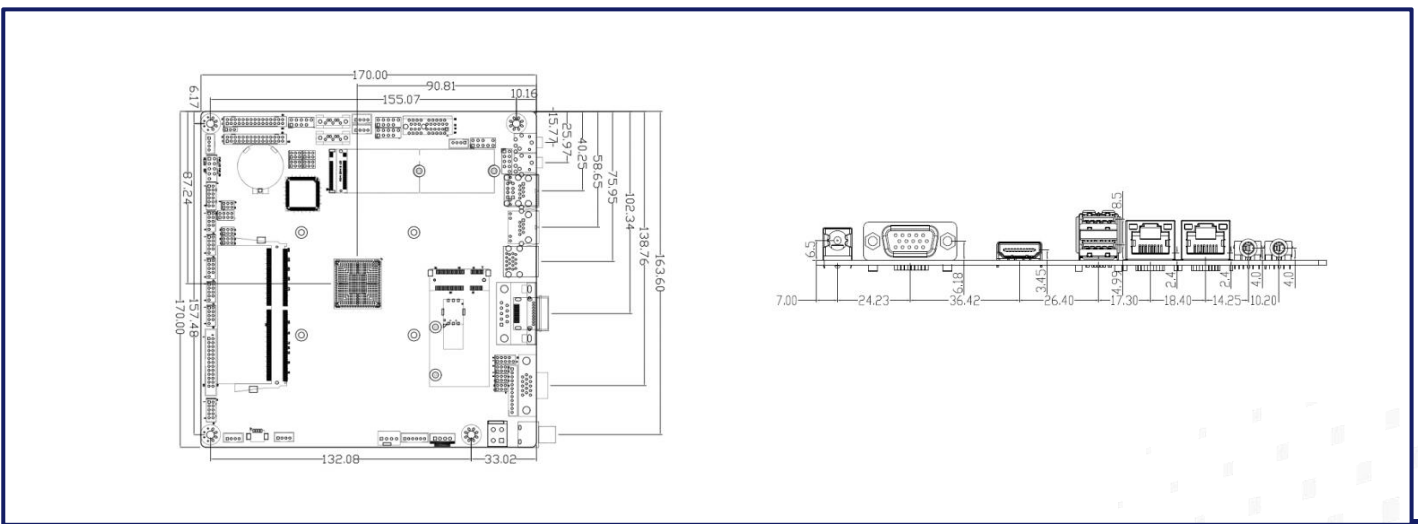
01 Specifications

CPU	Onboard Intel Gemini Lake 4 Core J4125 2.0~2.7GHz CPU
Chipset	Intel Gemini Lake SOC
Memory	1 DDR4 SODIMM memory slot, 8GB max
Display controller	Intel CPU Integrated display controller
Display interface	Three-display port: VGA + HDMI + LVDS / eDP, support triple-display VGA maximum resolution 1920x1200@60Hz; HDMI maximum resolution 4096x2160@30Hz eDP resolution 4096x2160@ 60Hz; LVDS best resolution: 1920 * 1080
Storage	1 SATA 3.0, 1 M.2 2242 / 2280 support SSD of the SATA protocol
Audio	Rear IO : Mic-in, Line-out, Support chassis front panel audio, support amplifier audio output (4Pin wafer)
Network	2 RJ45 Gigabit Ethernet ports, Intel i226V
USB	2 rear IO USB (2 x USB 3.0 Type-A) 8 internal USB2.0 (via header)
Parallel/I ² C/SMBus	1 Parallel , 1 4Pin SMBus
Serial port	COM1 supports RS232 / 485, and COM2-COM6 supports RS232 COM2 & COM3 supports Pin 9 5/12V power supply, and COM3 optional TTLTTL signal
Keyboard & mouse	PS/2 keyboard/mouse via pin-header
Digital I/O	8-digit I/O, providing power and ground, + 5V level 1 4Pin CashDrawer control interface
LPC/eSPI	1 LPC bus
TPM interface	Non
Power supply	DC-Jack single 12V input, optional 2Pin Phoenix connector input DC Out power supply: 12V and 5V@500mA
Expansion bus	1 PCIe3.0 x 1 expansion slot 1 Mini-PCIe extension (with SIM holder for 4G module)
Operating temperature and humidity	0~60°C, 10%~90%, no condensation
Non-operating temperature and humidity	-40 to 80°C, 10% ~90%, no condensation
Watch Dog	255 level programmable seconds / minutes, support timeout interruption or system reset
BIOS	AMI UEFI BIOS
Operating System	Windows10, Windows11, Linux Ubuntu 22.04
PCB dimensions (L*W)	170mm*170mm

02 Product view



03 Dimensions



04 Product Selection

Product model	Chipset	Memory	Display	Storage	USB3	USB2	COM	LAN	SSD	PCIe
Alot7-GMLi4	J4125	1	3	2SATA	2	8	6	2*i226	M.2	2