

## Product Picture



## Product Features

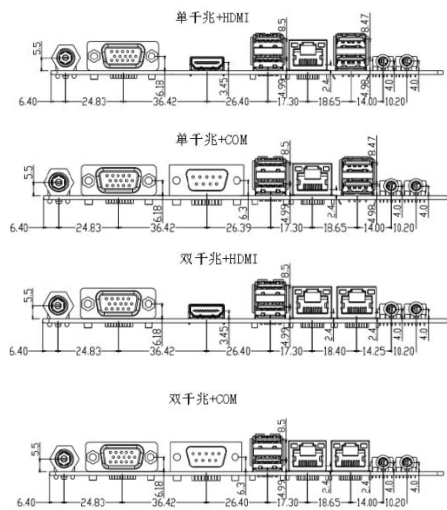
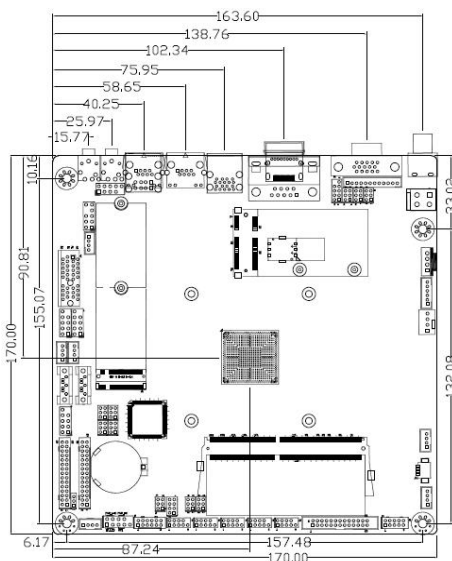
- ◆ Onboard Intel J4005/J4025/J4105/J4125 CPU
- ◆ 1 DDR4 SO-DIMM slot supports up to 8GB
- ◆ Triple display interface/2SATA/2GbE/10USB/6COM/2PCIe
- ◆ Using high Tg wide temperature PCB material to ensure wide temperature stability
- ◆ Industrial-grade port protection blocks static electricity and surges, effectively protecting the core of the system to be stable and reliable
- ◆ 6 RS232, COM1 supports RS485, COM2&3 supports serial port to get power, COM3 can choose TTL level output
- ◆ 2 Intel i211AT gigabit network interfaces
- ◆ 1 mPCIe (with SIM support 4G), 1PCIe x1 slot
- ◆ 1 M.2 supports SSD (2242/2280)
- ◆ Support digital audio output with power amplifier
- ◆ Support cash drawer control interface

## Product Specification

<b>Product</b>	<b>Model</b>	<b>AIoT7-GMLi</b>
	<b>Type</b>	Standard Mini-ITX industrial motherboard
<b>Processor</b>	<b>CPU</b>	Intel Gemini Lake series J4005/J4025, J4105/J4125
	<b>Chipset</b>	Intel Gemini Lake SOC
<b>Memory</b>	<b>Type</b>	1× DDR4-2400 SODIMM memory slot,
	<b>Max</b>	single socket up to 8GB
<b>Display</b>	<b>Controller</b>	Intel CPU integrated display controller UHD 600
	<b>Interface</b>	Three display interface VGA+ HDMI+LVDS or eDP (jumper selection) HDMI 2.0 max resolution up to 4096*2160@60Hz LVDS, Dual Channel 24bit, max resolution up to 1920*1200@60 Or eDP, max resolution up to 4096*2160@60Hz
<b>Storage</b>	<b>Type</b>	1 SATA3.0, 1 M.2 supports 2242/2280 SSD (SATA is optional when M.2 is not used)
<b>Audio</b>	<b>Type</b>	The rear IO supports Mic-in, Line-out (single layer), Support audio output on the front panel of the chassis, and digital audio output with power amplifier (3W, 4Pin wafer)
<b>Network</b>	<b>LAN</b>	Onboard 2 Intel i211AT Gigabit Ethernet ports (one Gigabit port for low configuration board)
<b>I/O</b>	<b>USB</b>	2 USB3.0 (rear), single network port board 2 USB2.0 (rear) Dual network port board with 8 USB2.0 pins, single network port board with 6 USB2.0 pins Among them, USB7~USB10 are extensions after USB Hub

	<b>I<sup>2</sup>C/SM bus</b>	A 4Pin SM Bus interface
	<b>COM</b>	6 serial ports (10 serial ports can be expanded) COM1 supports RS422/485, COM2&COM3 supports Pin9 +5/12V power supply, COM3 can choose TTL level
	<b>KB &amp; Mouse interface</b>	PS/2 keyboard mouse board internal pin
	<b>Digital I/O</b>	8-bit digital I/O, provide power and ground, +5V level
	<b>LPC</b>	Provide 1 LPC local bus interface (expandable security encryption module, serial port module)
	<b>Cash Drawer</b>	A 4Pin CashDrawer cash drawer control interface
	<b>Parallel/LPT</b>	1 LPT parallel port pin
<b>Power</b>	<b>Input</b>	DC-Jack single voltage +12V input (BOM can choose DC-Jack with anti-off screw), and 2Pin Phoenix terminal power supply DC-Out interface supports motherboard to take +12v and +5v power 500mA
<b>Expansion</b>	<b>I/O</b>	1 Mini-PCIe expansion (with SIM card holder supporting 4G module), 1 PCIe slot
<b>Environment</b>	<b>Operating</b>	0~60°C, 10%~90% non-condensing; Scalable support -20~70°C, 10%~90% non-condensing;
	<b>Storage</b>	-25~75°C, 5%~95% non-condensing
<b>Function</b>	<b>Watch Dog</b>	255 level programmable second/minute, support timeout interrupt or system reset
<b>System</b>	<b>BIOS</b>	AMI UEFI BIOS
	<b>Operating system</b>	Win10/Linux, 32bit/64bit
<b>PCB</b>	<b>Color</b>	PCB is sprayed with industrial green paint

## Product Size and Interface Layout



## Ordering Information

**JWIPC**

智微智能

All product information is subject to change without notice

www.jwipc.net

Product model	Chipset	Memory	Display	Storage	USB3	USB2	COM	LAN	SSD	PCIe
AloT7-GMLi1	J4025	1	3	2SATA	2	8	6	1*i211	M.2	2
AloT7-GMLi2	J4025	1	3	2SATA	2	8	6	2*i211	M.2	2
AloT7-GMLi3	J4105	1	3	2SATA	2	8	6	2*i211	M.2	2
AloT7-GMLi4	J4125	1	3	2SATA	2	8	6	2*i211	M.2	2

### Accessories List

Accessories description	Specification	QTY
SATA hard disk adapter cable	SATA-7P (female)/with metal shrapnel/L=480mm	1
Drive CD	with electronic file manual (make a CD, as an option)	2PCS/CARTON