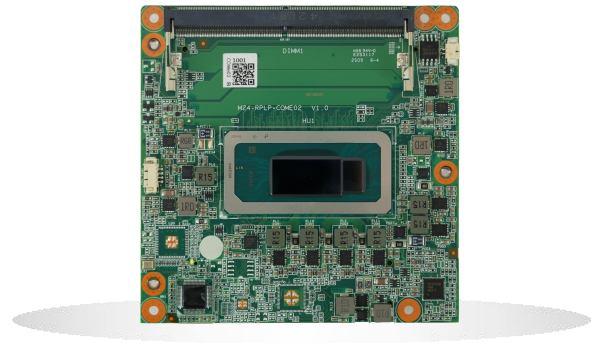


# COMe02 Specification

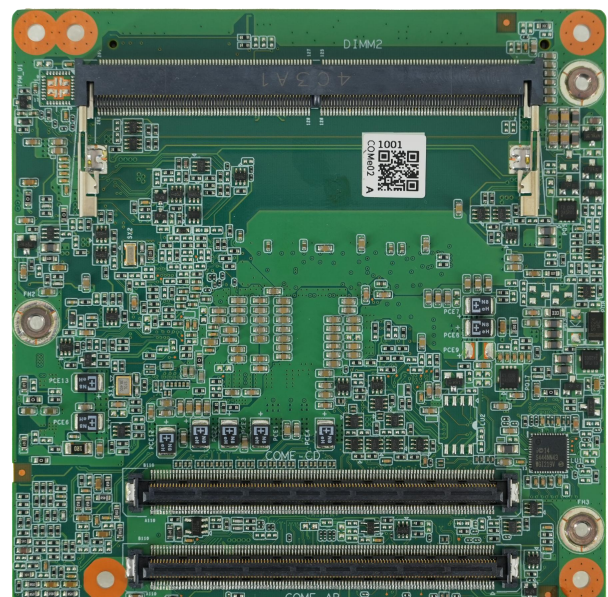
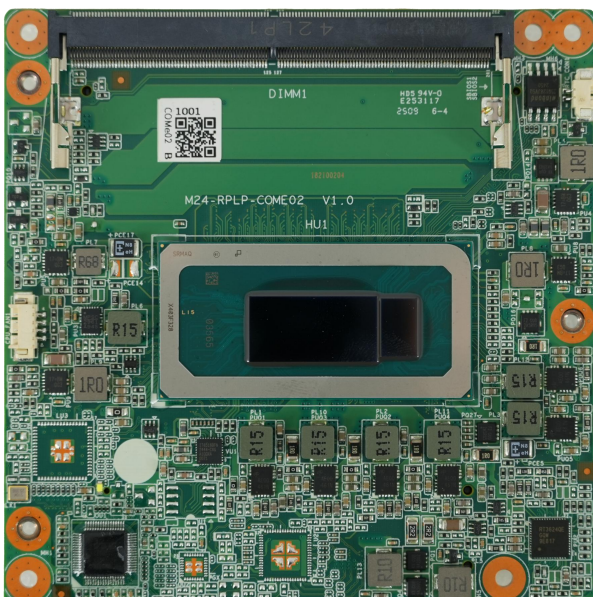


## Overview

Decenta COMe02 is a standard Type-6 core module with high integration. It is widely used in medical, industrial and other application scenarios.

- Support Intel® 13th/12th gen Core™ i7/i5/i3 processor
- Support 2x DDR5 5200MT/s SO-DIMM, Dual channel, Max. 96GB
- Support rich display Signal with VGA/DP++/LVDS/eDP
- Support 1x PCIe 4.0 X8 Signal, 2x PCIe 4.0 X4 Signal, 5x PCIe 3.0 X1 Signal
- Support TPM 2.0 encryption technology

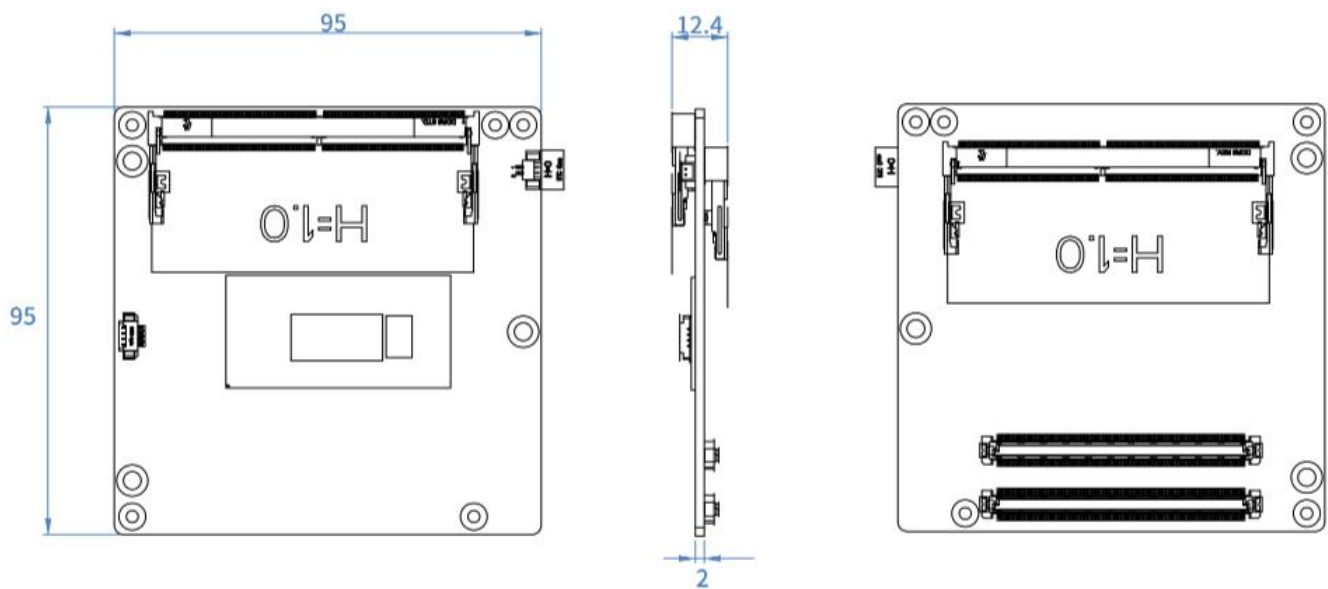
## I/O Overview



# Specifications

Model			M24-RPLP-COMe02
Processor			Support Intel® 13 <sup>th</sup> /12 <sup>th</sup> gen Core™ i7/i5/i3 processor, TDP 45W
Memory	Type	2x DDR5 5200MT/s SO-DIMM Memory, Dual channel	
	Capacity	Max. 96GB	
Graphic	Controller	Intel® Iris Xe Graphics	
	Connector	1*eDP co-lay with LVDS, BOM Option - eDP up to 4096x2304@60Hz - LVDS up to 1920x1080@60Hz, Dual channel 18/24bit	
		3x DP++, with resolution of 5K@60Hz	
		1x VGA, with resolution of 1920x1080@60Hz	
Audio			HDA
Network	Ethernet	Controller	Intel® i219V, co-lay with Intel® i210
		Connector	1GbE RJ45
Storage	SATA		2
Expansion	PCIe		8 1x PCIe 4.0 X8(PCIe 0~7) Signal, fixed with CPU 2x PCIe 4.0 X4(PCIe 4.0 X4_A & PCIe 4.0 X4_B) Signal, fixed with CPU 5x PCIe 3.0 X1(PCIe 5~8 & 10) Signal, config with Bios
I/O	Internal (2*220Pin Ultra)	LAN	1
		USB 3.2 Gen 1	4
		USB 2.0	8
		COM	2x TTL, 3.3V
		LPC	1(Co-lay with eSPI)
		LED	1x SATA LED
		RTC	1x 2Pin
		Fan	1x 4Pin, 5V
		GPIO	8x Programmable GPIO
		SMBus	1
		I2C	1
		Speaker	1
		SPI	1
		PWR Sequence	5 (Thermal TRIP/Power Button/FPGA Power OK/System Reset/CB Reset)
Environment	Temperature	Operating	0°C-60°C
		Non-operating	-40°C-85°C
	Humidity	Operating	10%~90% RH non-condensing
		Non-operating	5%~95% RH non-condensing
Feature	dTPM		V2.0 Support, Reserved
	Watchdog		255 levels timer interval, Setup by software
Noise Value			Below 38dB @1m
Power			DC 12V + 5V, Dual Power
OS			Win 10/Win 11
Bios			Insyde
Dimensions			95mm×95mm

## Dimensions (Unit: mm)



\*Specifications and information contained in this document are furnished for informational use only, and are subject to change at any time without notice, and should not be construed as a commitment by Decenta.