

JEC-2510 (AMR-TGU)

Fanless Embedded System



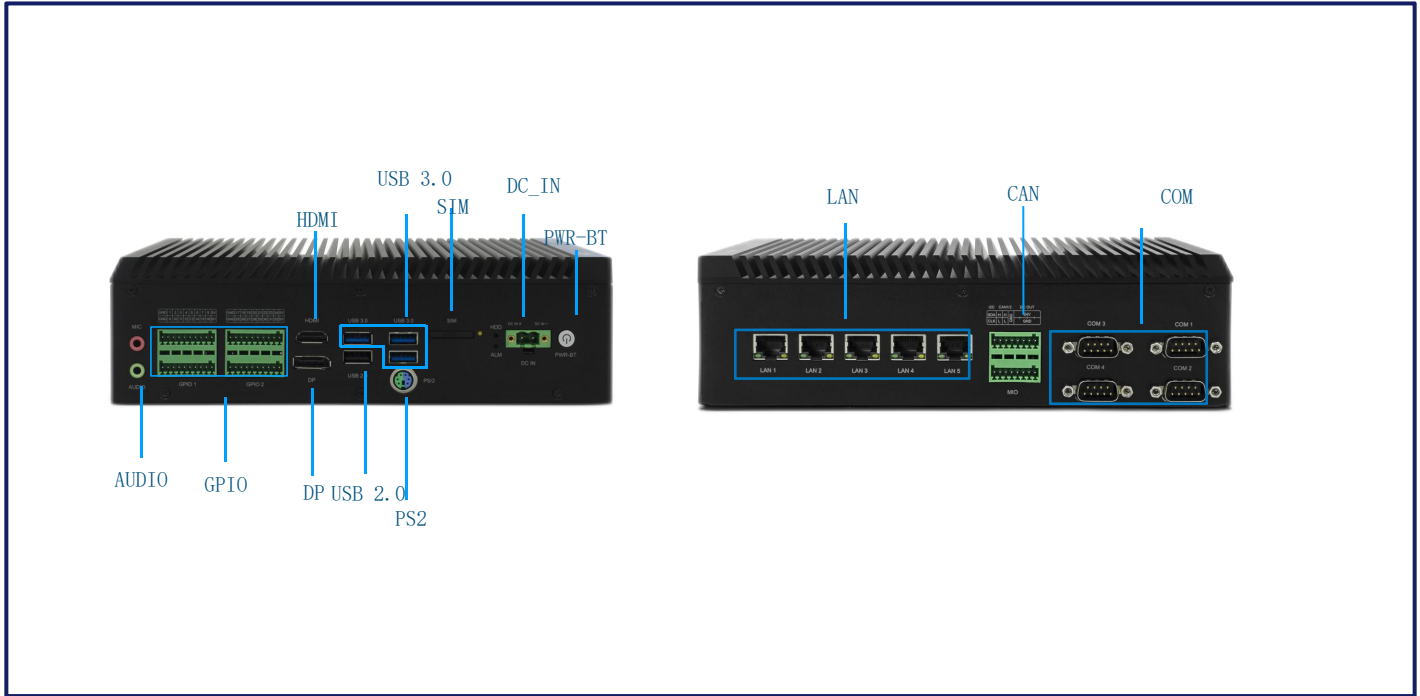
- 11th-Gen Intel® Core™ i3/i5/i7
- Three Displays : HDMI+DP+LVDS or eDP (Optional)
- Support 5 x GbE LAN, 4G,5G module
- Diverse system I/O : 5 x USB, 4 x COM, 32bit GPIO,2 x CAN 2.0
- 4 Expansion : 1 x M.2 Key-B 3042/3052 , 1 x M.2 Key-E 2230 ,1 x SM bus and 1 x I²C
- DC-in 9~36V, Wall Mount & DIN Rail & VESA

01 Specifications

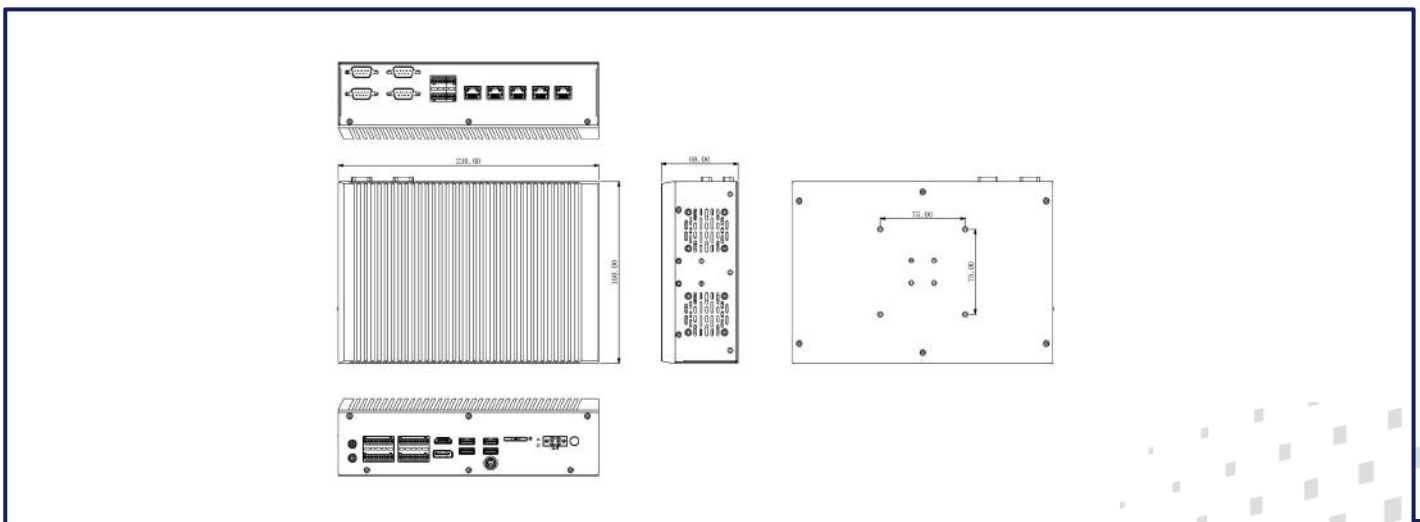
CPU	Processor	Intel Celeron 6305E/Intel Core i3-1115G4E/Intel Core i5-1145G7 /Intel Core i7-1165G7
	Chipset	Intel Tiger Lake U SOC
Memory	SSD	Max. Capacity DDR4-3200 Up to 32GB ,Onboard 4GB/8GB/16GB DDR4 (Optional) and 1 x DDR4 SODIMM expansion slot
Storage	SATA/M.2/mSATA	1 x SATA3.0+PWR 2.5" HDD (Only one signal, not exist the same time to M.2) 1 x M.2 Key-M 2242/2280 SSD (SATA or NVME)
Display	Controller	Intel UHD Graphics for 11th or Iris Xe Graphics (Optional)
	VGA/DVI-D/HDMI/DP	Three Displays :HDMI+DP+eDP HDMI 2.0 max resolution up to 4096*2160@60Hz DP1.4A up to 4096x2304x36bpp@60Hz or 5120x3200x24bpp@60Hz eDP1.4 up to 4096x2304x36bpp@60Hz or 5120x3200x24bpp@24Hz
Network	Network Interface Card	4 x Intel i226 2.5Gb RJ45 (support POE, Optional) 1 x Intel i210AT RJ45 (4KV Anti-surge)
I/O	USB	4 x USB3.0, 2↑USB2.0 contact pin , 1 x USB2.0 Type A Inside
	COM	4 x COM, COM1&2 RS232/485,COM3&4 RS232
	LAN	5 x RJ45
	GPIO	32-bit I/O (16-bit input, 16-bit output) , 4 bit 24V@1A Constant voltage light source power supply
	Audio	Mic-in+Line-out , support Digital audio output with power amplifier(3W, 4Pin wafer)
	PS2	1 x PS/2
	Other	2 x CAN2.0, Phoenix Port
Expansion	eSPI/LPC/SM BUS/I2C	1 x SM bus and 1 x I ² C , Support 2.0mm Wafer for intelligence sensor
	Other	1 x M.2 Key-B 3042/3052, support 4G/5G Wireless module (USB3+PCIe x1) 1 x M.2 Key-E 2230 slot , support half-length Wifi+BT module expansion
Other	Watch dog	255-level timer interval, setup by software, Support timeout interrupt or system reset
	TPM	Onboard encryption chip SLB9670 , support TPM2.0
Power	Power	DC 9V~36V 2-Pole Phoenix DC plug in ,Front I/O Power switch , LED Indicators
Software	BIOS	AMI UEFI BIOS
OS	OS	Win10 x64, Win11 x64, Linux Ubuntu 21.04 and above
Environmen	Temperature & Humidity	Normal temperature: 0°C ~ 45°C, 0% ~ 90%, Non-Condensing, 85~105kPa Wide temperature : -20°C~60°C, 0% ~ 90%, Non-Condensing, 85~105kPa
Dimensions	L*W*H	230mm(L)×160mm(W)×68mm(H)
Installation	Type	Desktop & Wall Mount & DIN Rail & VESA

* All product specifications are subject to change without notice.

02 Product view



03 Dimensions



04 Product Selection

Part No.	CPU	DIMM	LAN	USB3.0	USB2.0	COM	CAN	GPIO	M.2
JEC-2510	6305E	4GBDDR4	4*2.5GbE POE 1*2.5GbE	3	2	4	2	32bit	2
JEC-2510	i3-1115G4E	8GBDDR4	4*2.5GbE POE 1*2.5GbE	3	2	4	2	32bit	2
JEC-2510	i5-1145G7	8GBDDR4	4*2.5GbE POE 1*2.5GbE	3	2	4	2	32bit	2
JEC-2510	i7-1165G7	8GBDDR4	4*2.5GbE POE 1*2.5GbE	3	2	4	2	32bit	2