

JEC-5310

Intel® Tiger Lake-U SoC
Fanless Computing System



HARDWARE SOLUTIONS S.R.L.
Via Ghiarola Vecchia 32
Fiorano Modenese, 41042 (MO)
info@hardwaresolutions.it
sales@hardwaresolutions.it
www.hardwaresolutions.it



Features

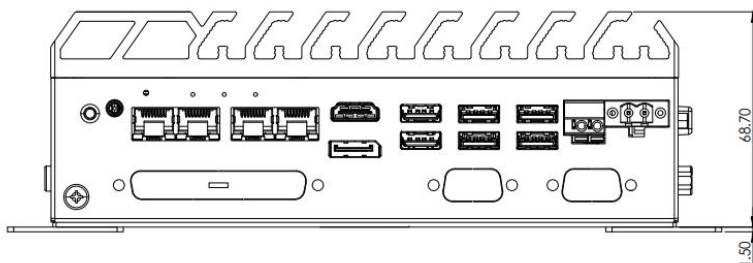
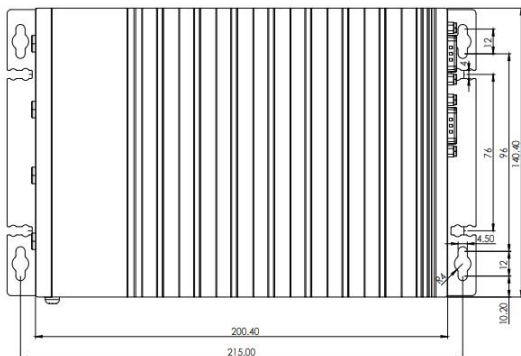
- Intel® Tiger Lake-U SoC, TDP 15W
- 1x SO-DIMM DDR4 Memory, max 32GB
- Onboard HDMI and DP display interface
- 4x Independent GigE LAN
- 4x RS232/422/485, 2xRS232
- 4x USB 3.0, 2xUSB 2.0
- 12V to 36V, DC-in



Product View



Dimensions



System	Processor	i3-1115G4/i5-1135G7/i7-1165G7/i7-1195G7/6305E / i3-1115G4E / i5-1145G7E/ i7-1185G7E
	Chipset	Intel Tiger Lake U SoC
	BIOS	AMI UEFI BIOS
	Memory	1xDDR4 3200MHz SO-DIMM, up to 32GB
	OS	Windows10, Linux
I/O interface	USB	4xUSB 3.0, 2xUSB 2.0
	Serial	4xRS232/422/485 , 2xRS232
	GPIO	8 bit digital I/O
	LED	1xPower, 1xHDD
	Others	1xCANBus 2.0, 1x I ² C
Expansion	PCIe/M.2/Mini-PCIe	1xM.2 Key-B 3042/3052, support 4G/5G(PCIe x1,USB2.0); 1xM.2 Key-E 2230 (PCIe x1, USB2.0)
Graphics	Graphics Processor	Intel®UHD Gen.11 Graphics Engines
	Interface	1xDP, up to 4096 x 2160 @60Hz 1xHDMI, up to 4096 x 2160 @60Hz
Storage	SATA/M.2 /mSATA	1xM.2 Key-M (2280,SATA/nVME) 1xSATA3.0 (support 2.5" HDD/SSD)
Audio	Audio IC	Realtek ALC897
	Audio Interface	1xMic-in, 1xLine-out (2 in 1)
Ethernet	LAN IC	3x i226V, 1x i210AT
	Interface	4xRJ45
Power	Power Input	12V to 36V, DC-in
	Power Interface	2-Pole Phoenix DC plug in
Others	Watchdog Timer	1 to 255 sec./min. per step
	TPM	Infineon SLB9670 supports TPM 2.0
Mechanical	Dimensions	200.4mm(L)×140.4mm(W)×68.7mm(H)
	Weight	1.93KG N.W.
	Mounting	Desk/Wall-mounting, Din rail mounting
Environment	Operating Temp.	-10~60°Cw/ 0.7m/s airflow
	Storage Temp.	-40~85°C
	Humidity	10%~85% Humidity, non-condensing
	Shock	With SSD: 15G, IEC 60068-2-27, half sine, 11ms duration
	Vibration	With SSD:2Grms, IEC 60068-2-64, random, 5~500Hz, 1 hr/axis

Ordering Information

Model	CPU	Display	DIMM	LAN	USB 3.0	USB 2.0	COM	2.5" SSD	M.2
JEC-5310	i3-1115G4 i5-1135G7 i7-1165G7 i7-1195G7 i3-1115G4E i5-1145G7E i7-1185G7E 6305E	2	1	4	4	2	6	1	3

Packing List

Part Number	Description	Quantity
JEC-5310	JEC-5310 barebone system	1
300600000183	Adapter ,90W,100V ~ 240V AC Input,19V,4.74A,10.5*2.5*20mm	1
301800000977	Power Cable,150cm	1
301800000522	COM cable	2
301700010908	Phoenix terminal, 15Pin	1
302300000938	DIN Rail kit	1
302300016753	Wall mount kit	1
302300016754	Wall mount kit	2