

IES-4430

Fanless Embedded Edge System with
13th Gen Intel® Core™ i3/i5/i7 Processor



Features

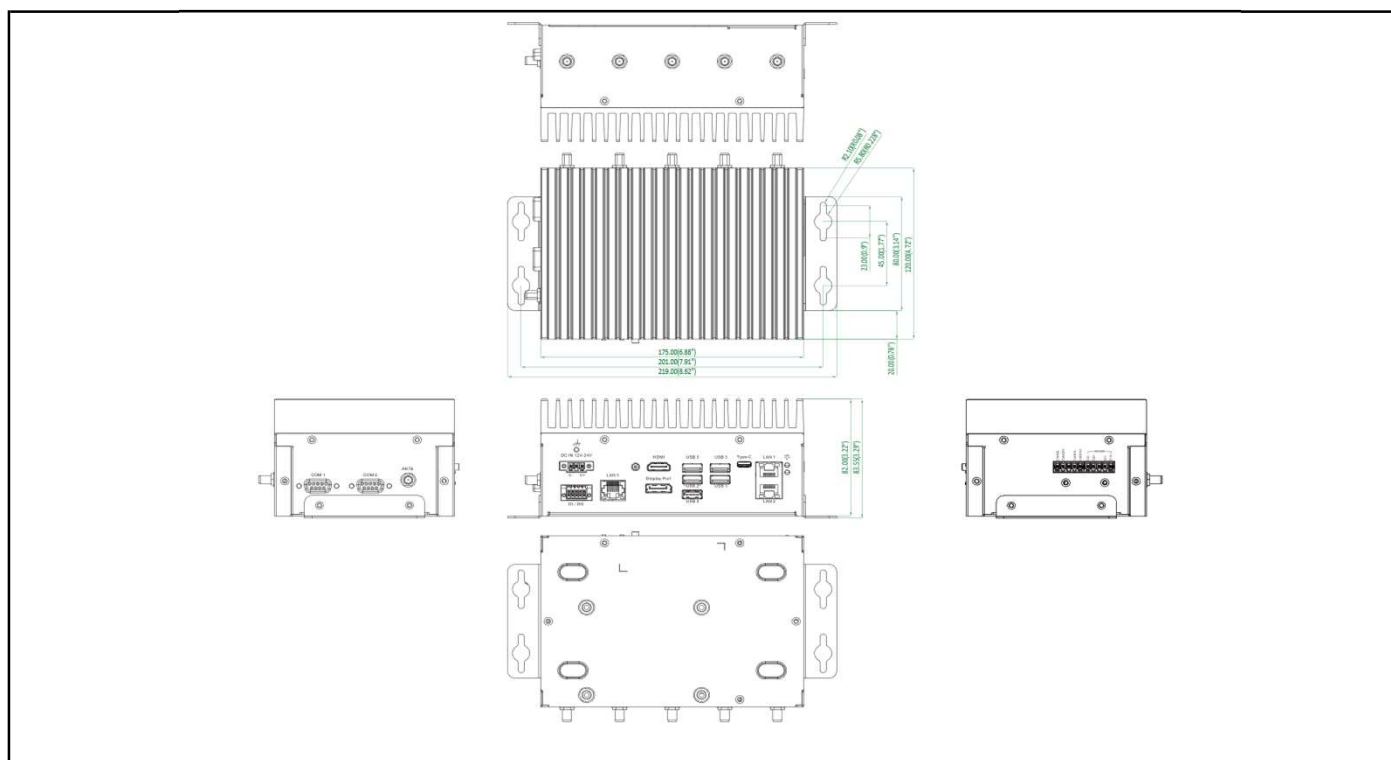
- 13th Gen Intel® Core™ i3/i5/i7
- Onboard Max LPDDR5 32 GB
- 12 ~ 24 VDC Single Power
- TPM 2.0
- Support isolated CAN, DI, DO, RS485
- Optional 4G LTE, 5G, Wi-Fi
- Fanless design

Specifications

System		Interface	
CPU	13th Gen Intel® Core™ i7-1365UE, i5-1335UE, i3-1315UE	Serial Port	2 x Isolated RS-485 Terminal Block 2 x RS232/422/485 DB9
Memory	Onboard LPDDR5 16 GB (up to 32 GB)	CAN Bus	2 x Isolated CAN Bus, Terminal Block
Storage	1 x 2.5" Internal HDD Bay 1 x M-Key 2280, NVMe SSD	Ethernet	1 x RJ45 Intel® I226IT 2.5GbE LAN 1 x RJ45 Intel® I219LM GbE LAN 1 x RJ45 Intel® I210IT GbE LAN(Optional)
Real time clock	Yes	USB	4 x USB 3.2 Gen2 (Type A)(1 x Optional) 1 x USB 2.0 (Type A) 1 x USB 4 Gen4 (Type C)
Security	TPM 2.0	DI/DO	4 x DI, 4 x DO Isolated (Optional)
Thermal Design	Fanless design	AI/AO	--
Operating System	Linux Kernel 5.15 LTS & above (64-bit) Windows 10, 11 (64-bit)	Display	1 x HDMI 1 x DP
Support Protocol	--	Audio	--
Power Requirement		PoE	--
Input Voltage	12 ~ 24 VDC	Indicator	1 x Power Green LED 1 x Power Red LED (ATX)
Power Consumption	TBD	Expansion Slot	1 x M.2 M-Key 2280, PCIe x4 for NVMe SSD 1 x M.2 B-Key 3042/3052, PCIe x1 + USB 3.2/2.0 1 x M.2 E-Key 2230, PCIe x1 + USB 2.0
Power Connector	3 pin terminal block	SIM Slot	1 x Nano SIM Card Socket
Environmental and Mechanical		Antenna	6 x External Antenna holes
Dimension	175 x 120 x 82 mm (6.89" x 4.72" x 3.29")	Console port	--
Weight	1.5 kg	Other Interface	--
Mouting/Installation	--		
Operating Temperature	0 ~ 50 °C (32 ~ 122 °F)		
Storage Temperature	-40 ~ 80 °C (-40 ~ 176 °F)		
Operating Humidity	5% ~ 95% relative humidity (RH), non-condensing		
Certification			
Regulations	CE, FCC, RoHs		

Dimension

Unit: mm / inch



Ordering Information

Packing List

- 1 x Screw Pack
- 2 x 5 Pin Terminal block
- 1 x 3 Pin Terminal block
- 1 x 10 Pin Terminal block

Part Number

2IES-4430-00-01	IES-4430 Intel 13th i3-1315UE Fanless 12-24VDC 16GB RAM w/DIDO,LAN3,USB2.0
2IES-4430-01-01	IES-4430 Intel 13th i5-1335UE Fanless 12-24VDC 16GB RAM w/DIDO,LAN3,USB2.0
2IES-4430-02-01	IES-4430 Intel 13th i7-1365UE Fanless 12-24VDC 16GB RAM w/DIDO,LAN3,USB2.0
2IES-4430-10-01	IES-4430 Intel 13th i3-1315UE Fanless 12-24VDC 16GB RAM
2IES-4430-11-01	IES-4430 Intel 13th i5-1335UE Fanless 12-24VDC 16GB RAM
2IES-4430-12-01	IES-4430 Intel 13th i7-1365UE Fanless 12-24VDC 16GB RAM

Optional Accessories

Part Number / Item

Wi-Fi Module	Wi-Fi Module M.2 2230 with Antenna
4G LTE Module	4G LTE Module M.2 3042 with Antenna
5G Module	5G Module M.2 3052 with Antenna