

IES-54U5

Fanless Embedded Edge System with
14th Gen Intel® Core™ (Meteor Lake) Ultra 7/5



Features

- 14th Gen Intel® Core™ Ultra 7/5
- 2 x DDR5 SODIMM
- 9 ~ 36 VDC with Ignition
- TPM 2.0
- Support LAN, COM, USB, Display
- Optional 4G LTE, 5G, Wi-Fi
- Fanless design

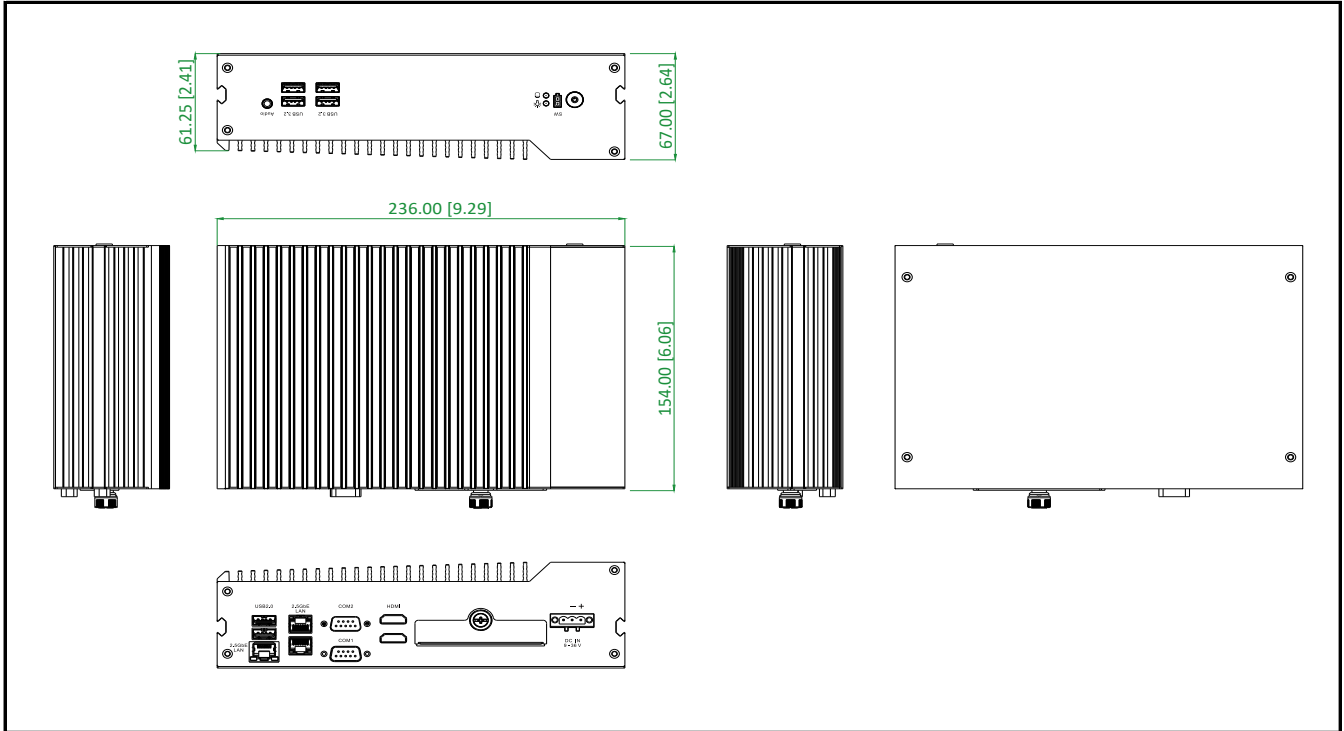
Specifications

System	
CPU	14th Gen Intel® Core™ Ultra 7 155H, Ultra 5 125H
Memory	1 x DDR5 SODIMM up to 64 GB
Storage	1 x Front-access 2.5" SSD Bay 1 x M-Key 2280, NVMe SSD
Real time clock	Yes
Security	TPM 2.0 with i7/i5 CPU
Thermal Design	Fanless design
Operating System	Windows 10 (64bit) Windows 11 Pro, Windows 11 IoT Enterprise
Support Protocol	Ubuntu 20.04
Power Supply	
Power Requirement	9 ~ 36 VDC (Ignition)
Power Consumption	120 W (typical)
Power Connector	3 pin terminal block
Environmental and Mechanical	
Dimension	236 x 154 x 67 mm (9.3" x 6.06" x 2.64")
Weight	3 kg
Mouting/Installation	Wall Mount
Operating Temperature	-20 ~ 60 °C (-4 ~ 140 °F)
Storage Temperature	-40 ~ 80 °C (-40 ~ 176 °F)
Operating Humidity	5% ~ 95% relative humidity (RH), non-condensing
Certification	
Regulations	CE, FCC, RoHs

Interface	
Serial Port	2 x RS232/RS422/485, DB9 Type
CAN Bus	--
Ethernet	1 x RJ45 Intel® I219 GbE LAN 2 x RJ45 Intel® I226 2.5GbE LAN
USB	4 x USB 3.2 Gen2 (Type A) 2 x USB 2.0 (Type A)
DI/DO	--
AI/AO	--
Display	2 x HDMI
Audio	1 x Mic-in, 1 x Line-out
PoE	--
Indicator	1 x Power 1 x HDD
Expansion Slot	1 x M.2 E-key 2230 1 x M.2 B-key 3042/3052
SIM slot	1 x SIM Card Socket
Console port	--
Antenna	--
Other Interface	1 x Remote Power

Dimension

Unit: mm / inch



Ordering Information

Packing List

- 1 x System
- 2 x Wall mount bracket
- 1 x Screw Pack
- 1 x 3 pin terminal block

Part Number

2IES-54U5-00-01	IES-54U5 Ultra 7 155H fanless 9 ~ 36 VDC
2IES-54U5-01-01	IES-54U5 Ultra 5 125H fanless 9 ~ 36 VDC

Optional Accessories

Part Number / Item

8 GB RAM	Memory DDR5 8 GB SODIMM
16 GB RAM	Memory DDR5 16 GB SODIMM
32 GB RAM	Memory DDR5 32 GB SODIMM
Power	AC/DC Adapter. Input 100 ~ 240 V. output 19 VDC. 120W
Power cord	US/EU Power cord