

# IES-5410B

Fanless Embedded Edge System with  
11th Gen Intel® Core™ i3/i5/i7 Processor



## Features

- 11th Gen Intel® Core™ i3/i5/i7
- 1 x DDR4 SODIMM
- 9 ~ 32 VDC with Ignition
- Support LAN, USB, CAN Bus, Display, 2 x SSD
- Fanless design

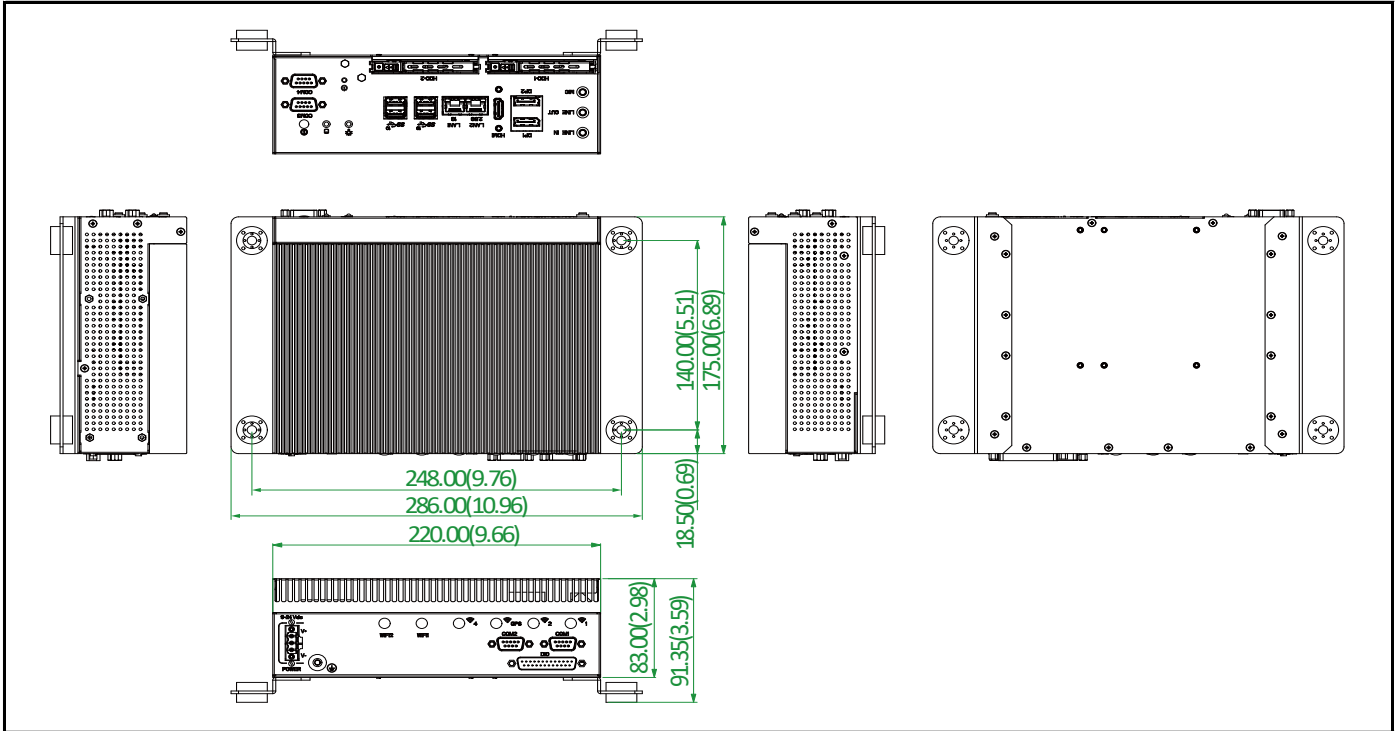
## Specifications

System	
CPU	11th Gen Intel® Core™ i7-11850HE, i5-11500HE, i3-11100HE
Memory	1 x DDR4 SODIMM up to 32 GB
Storage	2 x Front-access 2.5" SSD Bay (RAID 0/1)
Real time clock	Yes
Security	TPM 2.0 with i7/i5 CPU
Thermal Design	Fanless design
Operating System	Windows 10 (64bit) Ubuntu 20.04/Kernel 5.8/4.18 or Linux
Support Protocol	--
Power Requirement	
Input Voltage	9 ~ 32 VDC (Ignition)
Power Consumption	150 W (typical)
Power Connector	3 pin terminal block
Environmental and Mechanical	
Dimension	220 x 175 x 73 mm (8.66" x 6.89" x 2.87")
Weight	3.1 kg
Mouting/Installation	Wall Mount
Operating Temperature	-20 ~ 55 °C (-4 ~ 131 °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 2 x RS232, DB9 Type
CAN Bus	1 x CAN Bus DB9
Ethernet	1 x RJ45 Intel® I219 GbE LAN 1 x RJ45 Intel® I225 2.5GbE LAN
USB	4 x USB 3.2 Gen2 (Type A)
DI/DO	16 x DIO, DB25
AI/AO	--
Display	1 x HDMI 2 x DP
Audio	1 x Mic-in, 1 x Line-in, 1 x Line-out
PoE	--
Indicator	1 x Power 1 x HDD 1 x Status
Expansion Slot	1 x mPCIe Half Size slot 1 x M.2 B-key 3052
SIM Slot	1 x Nano SIM Card Socket
Antenna	6 x External Antenna holes
Console port	--
Other Interface	1 x Power Press Button

## Dimension

Unit: mm / inch



## Ordering Information

### Packing List

- 1 x System
- 1 x Power
- 1 x Screw Pack
- 1 x 3 Pin Terminal block

## Optional Accessories

### Part Number / Item

<b>8GB RAM</b>	Memory DDR4 8 GB SODIMM
<b>16GB RAM</b>	Memory DDR4 16 GB SODIMM
<b>32GB RAM</b>	Memory DDR4 32 GB SODIMM
<b>Wi-Fi Module</b>	Wi-Fi Module mPCIe with Antenna
<b>4G LTE Module</b>	4G LTE Module M.2 3042 with Antenna
<b>5G Module</b>	5G Module M.2 3052 with Antenna