



Features

- Intel® 11th Generation Core™ i7/i5/i3 Processor
- Support 1 DDR4 3200 SODIMM, up to 32GB
- Support 2.5GbE, USB 3.2 Gen2
- CAN Bus provide
- Two front easy access 2.5" SATA III storage bay
- 12/24V power input
- Fanless design
- Wide Operating Temperature -20~55°C

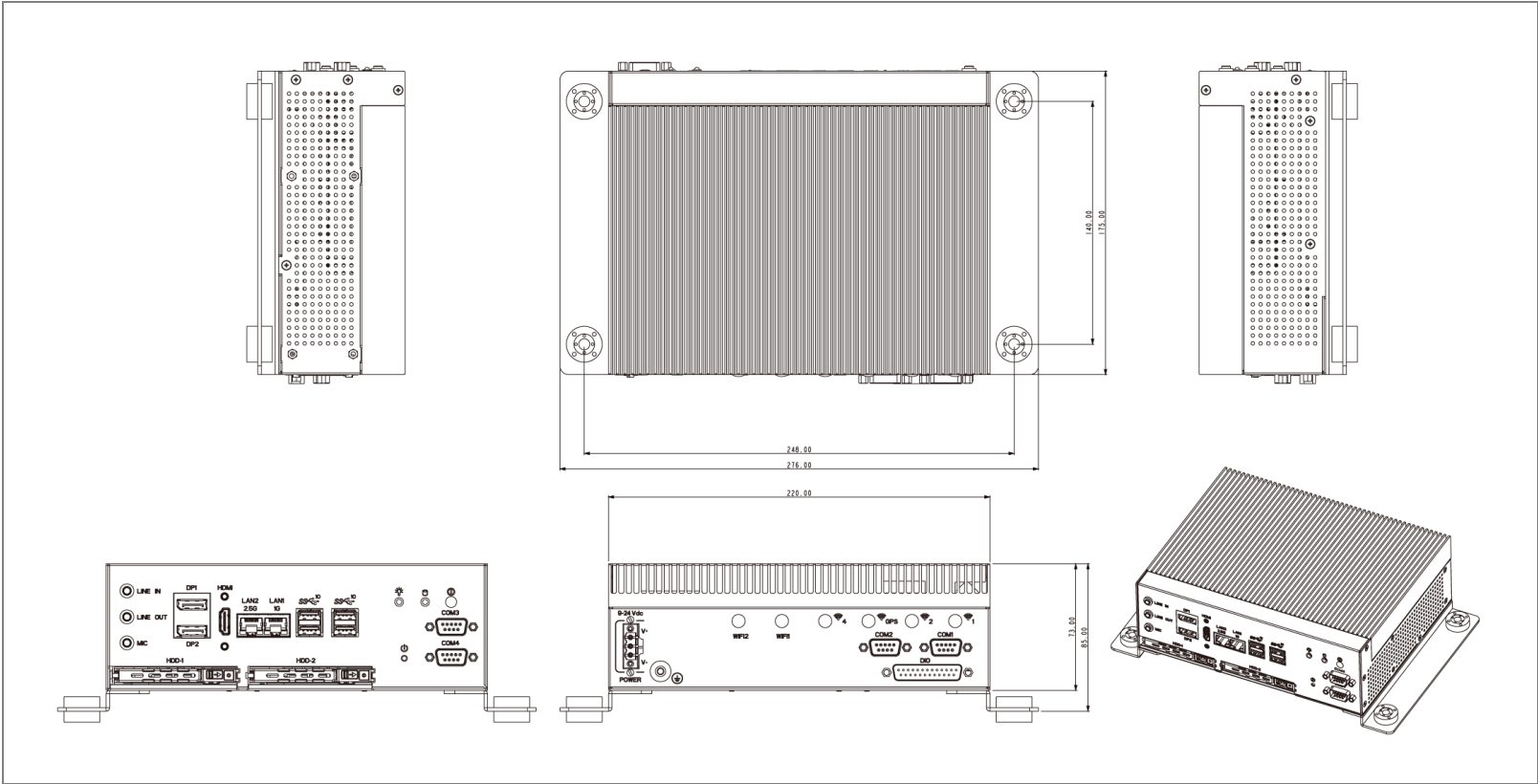
Specifications

System	
CPU/GPU	i7-11850HE (8C/16T, 2.60GHz, up to 4.70GHz)
	i5-11500HE (6C/12T, 2.60GHz, up to 4.50GHz)
	i3-11100HE (4C/8T, 2.40GHz, up to 4.40GHz)
Memory	1 DDR4-3200 Memory supports up to 32GB (ECC)
Storage	2 Front-access 2.5" SSD/HDD Tray
Real time clock	Yes
Indicators	Power, HDD, Status
Wireless	Wi-Fi, 4G/5G Lte
Operating System	Ubuntu 20.04.2/Kernel 5.8 or Linux 4.18
	kernel
	Window 10, 64 bit
Power Supply	
Power Requirement	DC 12/24V Power input
Power Consumption	-
MTBF (Hours)	70000
Environmental and Mechanical	
Dimension	220mm(W) x 175mm(D) x 73mm(H)
Weight	-
Mouting/Installation	Wall mount bracket
Operating Temperature	-20°C to 55°C
Storage Temperature	-40°C to 80°C (-40°F to 176°F)
Operating Humidity	5~90% (non-condensing)
Certification	
Regulations	CE, FCC

Interface	
Serial Port	2 x DB9 Type RS-232/RS422/485,
	2 x DB9 Type RS-232
CAN Bus	1 x DB9 CAN Bus
Ethernet	1 x RJ45 Type Intel® I225 2.5GigE LAN\
	1 x RJ45 Type Intel® I229 GigE LAN
USB	4 x Type A USB 3.2 Gen2
DI/DO	16 x DIO DB25
Audio	1 x Mic-in, 1 Line-in, 1 Line-out
Display	1 x HDMI , 2 x DP
Power Connector	3 Pin Pheonix connector
Expansion Slot	1 x M.2 B Key(3052) for 4G/5G/GPS
	1 x Half Size Mini PCIe slot
	1x Nano SIM card slot
Other Interface	

Dimension

Unit: mm / inch



Ordering Information

Part Number	Packing List
IES-5417-01 Intel i7-11850HE, CAN Bus	1. IES-5410
IES-5415-01 Intel i5-11500HE, CAN Bus	2. 3-Pin Terminal block
IES-5413-01 Intel i3-11100HE, CAN Bus	3. Wall mount bracket Set
	4. Screws Package

Optional Accessories

Part Number / Item			
DDR4	4GB/8GB/16GB/32GB		
WiFi & BT module	WiFi & Bluetooth Module with Dual Antenna		
4G Module	4G & GNSS Module with 3 Antennas, 1 GPS antenna		
5G Module	5G & GNSS Module with 2 Antennas, 1 GPS antenna		