IIoT-I531

◼ Features

- 11th Gen Intel® Core™ i CPU (Up to i7-1185GRE)
- 2x DDR4 3200 IBECC SO-DIMM, Max. 64GB
- 4x PoE+, 2x Ethernet Ports, 4x COM Ports, 4x USB 3.0
- Intel® Iris® Xe Graphics, 2x HDMI, 4x DI & 4x DO
- 1x M.2 B-Key w/ Nano SIM For 5G, 1x M.2 E-Key For WiFi, 1x mSATA

Embedded Box PC

◼ Specifications

Processor System

CPU	11th Gen Intel® Core™ i (Up to i7-1185GRE), Codenamed TigerLake-UP3
Frequency	PBF1.80GHz, MaxTurbo to 4.4GHz
Core Number	4
BIOS	
Chipset	N/A

Fanless

	Yes

Memory

Technology	DDR4 3200 IBECC SO-DIMM
Max. Capacity	64 GB
Socket	2x 260-pin SO-DIMM

Graphic

Controller	Intel® Iris® Xe Graphics
HDMI	2

Audio

Codec	TSI 92HD73E
Interface	1x Line-in, 1x Line-out

Ethernet

Controller	Intel i226IT
Speed	2.5Gbps/1Gbps/100Mbps
Interface	6x 2.5Gbps RJ45 (4x RJ45 For PoE+, Total PoE Budget of 60W)

Storage

Type	1x mSATA, 1x SATA
Installation	1x mSATA, 1x SATA 2.5" SSD/HDD

I/O

Serial Port	4x RS232/422/485
Digital I/O	4x Isolated DI, 4x Isolated DO
USB 2.0	-
USB 3.0	4x Type A
Power-On/Reset Button	1x Power-On, 1x Reset Button
Remote Power Switch	1x 2-pin Remote Power Switch
LED	Power/Storage

Expansion Interface

PCIe	1x PCIe 3.0 x1 FHHL w/ PCIe x4 Connector
M.2	1x B-Key 3042/3050/3052 w/ 2x Nano-SIM For 5G 1x E-Key 2230 For WiFi-6

Watchdog Timer

Watchdog Timer 1~255 Level Time Interval System Reset, Software Programmable

Power

Power Type	DC Source
Power Supply Voltage	+24VDC Typically
Connector	1x 2-pin Terminal Block
Power Consumption (Idle)	29.6W
Power Consumption (Full Load)	91.6W (Without PCIE*4 LAN Card)

Environment

Operating Temperature	-40°C~70°C w/ LTE -40°C~75°C w/o LTE
Storage Temperature	-40°C~70°C
Relative Humidity	5%~95%
Vibration	IEC 60068-2-64, 0.5Grms, Random 5 ~500Hz, 30 Mins/Axis

Mechanical

Dimension (W x H x D)	270 x 86 x 220mm
Construction	Aluminum Extrusion & SGCC
Weight	TBC
Mounting	Wallmount, VESA (Optional)

Driver Support

Microsoft Windows	Win 10 IOT
Linux	Dabian 11 Pre-install

Certification

EMC	CE/FCC, Class A / UL

Product I/O View

A PoE x4	**E** PS-ON	**I** COM 3/4
B LAN x2	**F** Power On/Off	**J** LINE-in/LINE-out
C HDMI x2	**G** Reset Button	**K** COM 1 & 2
D USB 3.0 x4	**H** DIO	**L** Power-in

Dimensions (W x H x D) 270 x 86 x 220 mm (10.6" x 3.4" x 8.7")
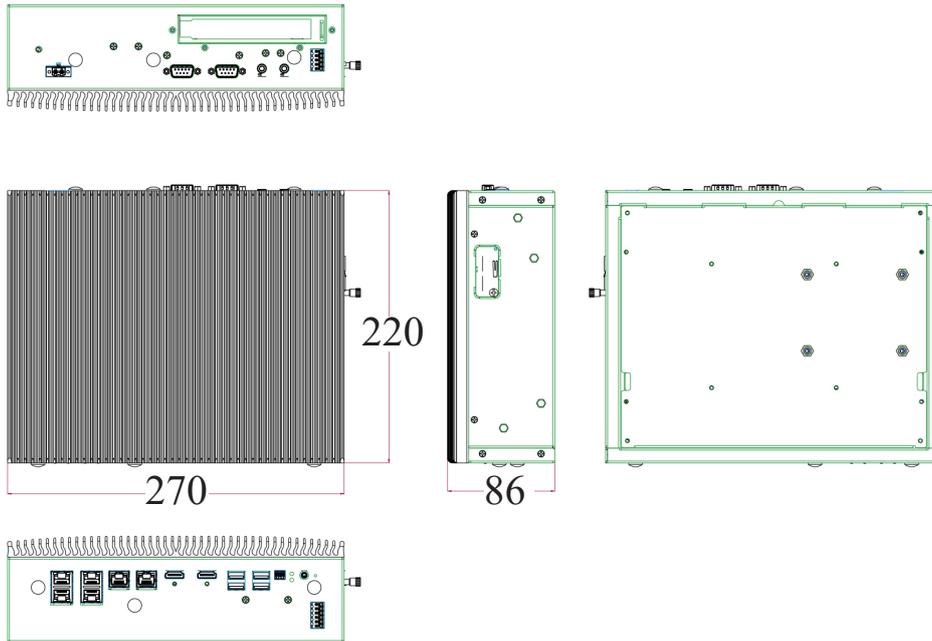
Ordering Information

IIoT-I531A   11th Gen Intel Core i CPU (up to i7-1185GRE), 2x DDR4 3200 IBECC SO-DIMM (Default 8GB), 4x PoE+, 2x Ethernet Ports, 4x COM ports, 4x USB 3.0, Intel Iris Xe Graphics, 2x HDMI, 4x DI & 4x DO, 1x B-Key 3042/3050/3052 w/ 2x Nano-SIM For 5G, 1x E-Key 2230 For WiFi-6, 1x mSATA Socket, 1x 2.5" Storage Bay

Lanner

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