

HAILO



■ Features

- 11th Gen Intel® Core™ i CPU (Up to i7-1185GRE)
- 2x DDR4 2133/2400 SO-DIMM, Max. 64GB
- Hailo-8™ M.2 Module Pre-installed
- 2x 2.5Gbps RJ45, 6x GbE RJ45 For PoE+
- 2x COM Ports, 4x USB 3.0, 2x HDMI, 8x DI & 4x DO
- 1x M.2 B-Key w/ Nano SIM For 5G, 1x M.2 E-Key For WiFi-6, 1x M.2 M-Key For PCIe Gen4 x4 NVMe SSD
- Wide temperature range of -40°C~55°C

■ 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	AMI 256Mbit SPI Flash BIOS
Chipset	N/A

Fanless

Yes

Memory

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

Graphic

Controller	Intel® Iris® Xe Graphics
Interface	2x HDMI

Audio

Codec	TSI 92HD73C
Interface	1x Mic-in, 1x Line-out

Ethernet

Controller	Intel® i225IT & i210IT
Speed	2.5Gbps/1Gbps/100Mbps/10Gbps
Interface	2x 2.5Gbps RJ45, 6x GbE RJ45 For PoE+ (Total PoE Budget of 120W)

Storage

Type	1x mSATA+1x SATA+1x M.2 M-Key 2280
Installation	1x mSATA+1x 2.5" SATA Drive Bay for SSD/HDD 1x M.2 M-Key 2280 PCIe Gen4 x4 NVMe SSD

I/O

Serial Port	2x RS232/422/485
Digital I/O	8x Isolated DI, 4x Isolated DO
USB 3.0	4x USB 3.0 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

M.2	1x B-Key 3042/3052 w/ 2x Nano-SIM (eSIM Reserved) For 5G 1x E-Key 2230 For WiFi-6 1x M-Key 2280 For PCIe Gen4 x4 NVMe SSD
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Watchdog Timer

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

Power

Power Type	ATX
Power Supply Voltage	+24VDC Typically
Connector	1x 3-pin Terminal Block
Power Consumption (Idle)	TBC
Power Consumption (Full Load)	TBC

Environment

Operating Temperature	-40°C~55°C (CPU Not Throttling, Up To 70°C For 72Hr Running)
Storage Temperature	-40°C~70°C
Relative Humidity	10%~90% (Non-condensing)
Vibration	IEC 60068-2-64, 0.5Grms, random 5 ~500 Hz, 40 mins/axis

Mechanical

Dimension (W x H x D)	270 x 76 x 180 mm
Construction	Aluminum Extrusion & SGCC
Weight	TBC
Mounting	Wallmount, VESA

Driver Support

Linux	Depending on Intel Driver Release
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Certification

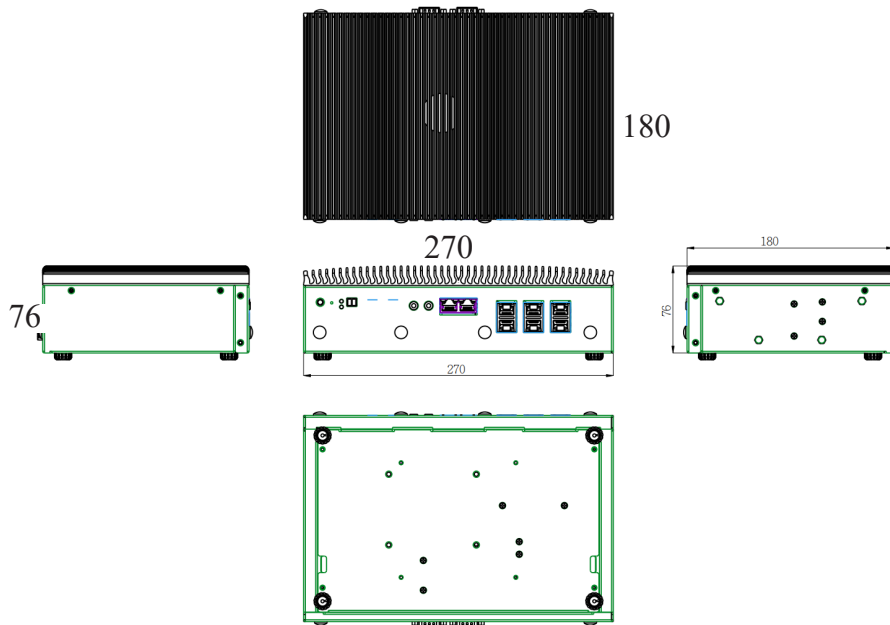
EMC	CE/FCC, Class A
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■ Product I/O View



- | | | |
|-----------------------|--------------------------|------------------|
| A Power On/Off | E MIC-in/LINE-out | I COM |
| B Reset | F LAN | J HDMI |
| C Status LED | G PoE+ | K MIO |
| D PS-ON | H DC-in | L USB 3.0 |

■ Dimensions (W x H x D) 270 x 76 x 180 mm (10.6" x 3.0" x 7.1")



■ Ordering Information

IloT-I530A

11th Gen Intel® Core i7-1185GRE CPU with 2x DDR4 SODIMM, 2x HDMI, 2x 2.5GbE & 6x GbE PoE+, 2x RS-232/422/485, 4x USB3.0, Audio, DIO, 1x M.2 B-key 3042/3052 with dual-SIM sockets, 1x M.2 E-key 2230, 1x mSATA, 1x PCIe X4 M.2 M-key 2280 for NVMe SSD, 1x SATA for 1x 2.5" SATA Drive bay, typical +24VDC input

IloT-I530B

11th Gen Intel® Core i7-1185GRE CPU with DDR4 SODIMM 32GB, 2x HDMI, 2x 2.5GbE & 6x GbE PoE+, 2x RS-232/422/485, 4x USB3.0, Audio, DIO, 1x M.2 B-key 3042/3052 with dual-SIM sockets, 1x M.2 E-key 2230, 1x mSATA 128GB, 1x PCIe X4 M.2 M-key 2280 for NVMe SSD, 1x SATA for 1x 2.5" SATA Drive bay with 256GB SSD, typical +24VDC input, Intel EIS for AMR software kit preload

IloT-I530C

11th Gen Intel® Core i7-1185GRE CPU with 2x DDR4 SODIMM, 2x HDMI, 2x 2.5GbE & 6x GbE, 2x RS-232/422/485, 4x USB3.0, Audio, DIO, 1x M.2 B-key 3042/3052 with dual-SIM sockets, 1x M.2 E-key 2230, 1x mSATA, 1x PCIe X4 M.2 M-key 2280 for NVMe SSD, 1x SATA for 1x 2.5" SATA Drive bay, typical +24VDC input

IloT-I530H

11th Gen Intel® i7-1185GRE CPU with DDR4 SODIMM 32GB, 2x HDMI, 2x 2.5GbE & 6x GbE PoE+, 2x RS-232/422/485, 4x USB3.0, Audio, DIO, 1x M.2 B-key 3042/3052 with dual-SIM sockets, 1x M.2 E-key 2230, 1x mSATA 128GB, 1x PCIe X4 M.2 M-key 2280 with Hailo 8 AI computing module, 1x SATA for 1x 2.5" SATA Drive bay with 256GB SSD, typical +24VDC input, Hailo Software Preload

Optional Accessories

Type	Model No.	Description	Q'ty
RAM	020W000489000	SODIM DDR4 TS2GSH64V2E-I 16GB WT	1
	020W000490000	SODIM DDR4 TS4GSH64V2E-I 32GB WT	1
Storage 1	0TEW000615000	SSD TLC M.2/NGFF 256GB PCI-E 3.0 TS256GMTE652T-I TRANSCEND NVme SSD	1
Storage 2	0TEW000315000	mSATA 512GB SATA III	1
Storage 3	0TEW000305000	PHISON 2TB 2.5" SSD WT	1
	080W000371000	SATA Cable w/Power	1
5G Kits	0TAW000305000	5G Thales MV31-W USB3.0 M.2 2242 B-Key 3042 with Wide Temp. (WT) 0TAW000260000 5G	1
	0TZW000215000	ANTENNA 98619ZSAX066 MasterWave Sub 6GHz-5Gth FB antenna	4
	080W000840000	Ant. Cable -1	1
	080W000837000	Ant. Cable -2 / Ant. Cable -4	2
	080W000909000	Ant. Cable -3	1
WiFi-6 Kits	0TAW000302000	WNFB-265AXI SPARKLAN 802.11ax/ac/a/b/g/n (WT)	1
	0TZW000216000	ANTENNA 98619VRSX001 MasterWave WIFI 6E FB Antenna	2
	080W000908000	Ant. Cable -1	1
	080W000877000	Ant. Cable -2	1
Wallmount	098W000004000	Wallmount Kits	1
AC Adapter	0POW000067000	220W AC Adapter TR220MA240	

IIOT-I530H

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