

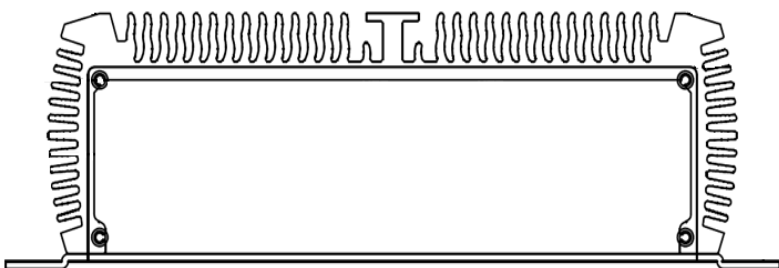
ESY-CI501

Intel i5 12th Generation CPU Rugged BOX PC

Features

- Intel® Core™ i5-12500 Processor (Average CPU Mark 20004)
- Supports Dual Channel DDR4 3200 SODIMM, Up to 128GB
- Support HDMI, DP Outputs
- 2 x 1 GbE LAN Ports
- 9-36VDC input
- Windows 10 IOT
- Fan Cooling

Appearance



Chassis reference



Motherboard

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Revision Table

Date	Revision	Content	By
2023/9/7	0.1	First Draft	Dennis

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Intel i5 12th Generation CPU Rugged BOX PC

Specification

BOX PC	
CPU	Intel® Core™ i5-12500 Processor, 18M Cache, up to 4.60 GHz
Chipset	Intel® H610
Memory	Dual DDR4 3200 MHz, up to 128GB maximum
Storage	2x SATA III, 6Gb/s 1x M.2 NVME 4x
Graphics	Intel® UHD Graphics
Display	1x HDMI (Front) 1x DP
Ethernet	2x GbE LAN, (I219 + RTL8111H)
I/O	2x RJ45 1x HDMI 1x DP 2x USB3.2 1x Audio in 1x Line Out
Wireless	GPS Module via MPCIE/ M.2 interface (Optional)
Power Input	9-36VDC input
OS	Windows 10 IoT

Environment Compliance

Operating Temp.	-20°C to +60°C
Storage Temp.	-30°C to +65°C
Humidity	Ta ≤ 40°C, 90%RH, non-condensing
Cooling	Fan Cooling
Chassis	Rugged Floor Mount Design. Customization to be discuss
Board Size	170 x 170mm (Chassis size upon specs finalization)

Environmental performance may vary according to the integration method or final integration scenario.

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Deliverables

1	Intel i5 12 th Generation CPU Rugged BOX PC
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Ordering Information

Model Name	Description	Unit
ESY-CI501	Intel i5 12 th Generation CPU Rugged BOX PC	1

Ordering Details

ESY-CI501 - 1 2 B

