

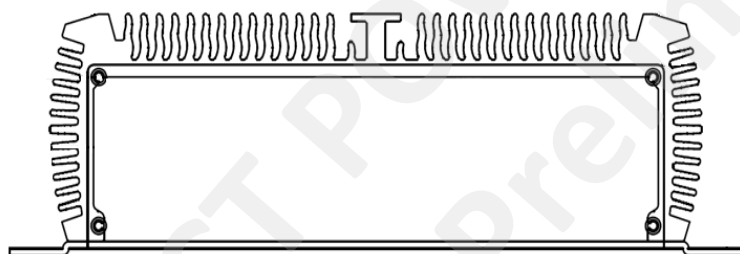
ESY-CI501

Intel i5 12th Generation CPU Rugged BOX PC

Features

- Intel® Core™ i5-12500 Processor, Benchmark 19904
- Supports Dual Channel DDR4 3200 SODIMM, up to 128GB
- Support HDMI, DP Outputs
- 2 x 1 GbE LAN Ports
- 9-36 VDC Input
- Windows 10 IOT
- Fan Cooling

Appearance



ESY-CI501

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Revision Table

Date	Revision	Content	By
2023/9/7	0.1	First Draft	Dennis
2025/06/25	2	Add Innodisk SSD for Wide Temperature Application	Devin

ACT POWER TAIWAN
Preliminary

ESY-CI501

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 – 36 VDC
OS	Windows 10 IoT
Cooling	FAN Cooling
Chassis	Rugged Floor Mount Design. Customization to Be Discuss
Board Size	170 x 170 mm (Chassis Size upon Specs Finalization)

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Environmental Compliance

Operating Temp.	-20°C to +60°C for Industrial SSD or -20°C to 70°C for Innodisk SSD
Storage Temp.	-30°C to +70°C
Humidity	90% @40°C, Non-Condensing

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

Deliverables

No.	Item
1	Intel i5 12 th Generation CPU Rugged BOX PC

Ordering Information

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

ESY-CI501

Intel i5 12th Generation CPU Rugged BOX PC

Ordering Details

ESY - CI501 - 9 5

Storage

- (N) None
- (1) 8GB
- (2) 16GB
- (3) 32GB
- (4) 64GB
- (5) 120~128GB
- (6) 240~256GB
- (7) 480~512GB
- (8) 960~1TB
- (9) 2TB
- Wide temperature module (-40°C~+85°C)
- (A) 512GB
- (B) 1TB
- (C) 2TB

RAM

- (N) None
- (1) 2GB
- (2) 4GB
- (3) 8GB
- (4) 16GB
- (5) 32GB
- (6) 64GB
- (7) 128GB
- Wide temperature module (-40°C~+85°C)
- (A) 8GB
- (B) 16GB
- (C) 32GB
- (D) 64GB

RF Optional

- Blank: None
- (A): WIFI, BT, GPS
- (B): BT
- (C): WIFI, GPS
- (D): BT, GPS
- (E): WIFI, BT
- (G): GPS
- (L): 4G
- (M):5G
- (W): WIFI

Example: ESY-CI501-95

Intel i5-12500 Rugged BOX PC, 32GB RAM, 2TB SSD

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