

ESY-CI302

Intel i3 12th Generation CPU Rugged BOX PC

Features

- Intel® Core™ i3-1215U Processor
- Supports Dual Channel DDR5 SO-DIMM, up to 64GB
- Support HDMI, VGA Outputs
- 2x GbE Ethernet Ports
- Support PoE
- Support 5G / Wi-Fi / GPS
- Windows 10/11

Appearance





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Revision Table

Date	Revision	Content	By
2025/7/16	0.1	First Draft	Mark

ACT POWER TAIWAN
Preliminary

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Specification

System	
CPU	Intel® Core™ i3-1215U Processor, 10M Cache, up to 4.4GHz
Memory	Dual DDR5 4800MHz SO-DIMM, up to 64GB Maximum
Storage	2x SATA 3.0 On-Board Support RAID 0/1 - Reserve 2x Connection in Mechanical Design; 2x M.2 Slot - Pre-installed 1x 1TB M.2 SSD Support RAID 0, 1
Graphics	Intel® UHD Graphics
Display	1x VGA 1x HDMI2.0
Ethernet	2x GbE LAN (RTL8111H), Support PoE
Other I/Os	2x USB3.0 1x Line-Out & 1x Mic-In 1x Mini PCI-E, Support GPS 1x SIM Slot, Support 4G/5G
Power Input	DC 19V Input
OS	Windows 10/11
Mechanical	
Dimension	Approx. 236 x 196.2 x 67 mm (W x L x H) # Final design will be provided upon project kick-off.
Weight	Approx. 3.5kg
Material	Aluminum
Cooling	Fan-Less

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Environment Compliance

Operating Temp.	-10°C to +60°C
Storage Temp.	-20°C to +60°C
Humidity	90%@40°C, 5% to 95%RH, Non-Condensing
EMC	Design to Meet CE, FCC

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

Deliverables

1	Intel i3 12th Generation CPU Rugged BOX PC
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Ordering Information

Model Name	Description	Unit
ESY-CI302	Intel i3 12th Generation CPU Rugged BOX PC	1

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