

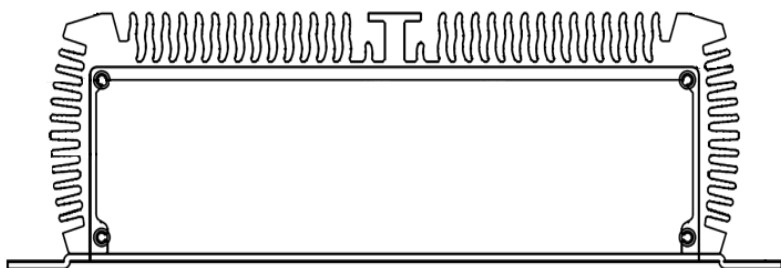
ESY-CI704

Intel i7 12th Generation CPU Rugged BOX PC

Features

- Intel® Core™ i7-1255U Processor
- Supports dual channel DDR5 3200 SODIMM, Up to 64GB
- Support HDMI, DP Outputs
- 2 x 1 GbE LAN Ports
- 9-36VDC input
- Windows 10 IOT
- Conduction Cooling, fanless

Appearance



Chassis reference



Motherboard

ESY-CI704

Intel i7 12th Generation CPU Rugged BOX PC

Revision Table

Date	Revision	Content	By
2023/9/7	0.1	First Draft	Dennis
2023/10/16	1	Upgrade to i7-1255U CPU from i7-1250U (Benchmark 12317 -> 13821, according Pass Mark)	Dennis

ESY-CI704

Intel i7 12th Generation CPU Rugged BOX PC

Specification

BOX PC	
CPU	Intel® Core™ i7-1255U Processor, 12M Cache, up to 4.70 GHz
Chipset	Intel® Core™ i7-1255U
Memory	Dual DDR5 4800 MHz, up to 64GB maximum
Storage	2x SATA III, 6Gb/s 1x M.2 NVME 4x
Graphics	Intel® Iris® Xe Graphics eligible
Display	1x HDMI (Front) 1x DP 1x HDMI (Side optional)
Ethernet	2x GbE LAN
I/O	2x RJ45 1x HDMI 1x DP 2x USB3.0 1x Audio in 1x Line Out
WIFI	GPS Module, M.2/ mPCIe (Optional)
Power Input	9-36VDC
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	Conduction 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.

ESY-CI704

Intel i7 12th Generation CPU Rugged BOX PC

Deliverables

1	Intel i7 12 th Generation CPU Rugged BOX PC
---	--

Ordering Information

Model Name	Description	Unit
ESY-CI704	Intel i7 12 th Generation CPU Rugged BOX PC	1

Ordering Details

ESY-CI704 - 1 2 B

