

ESY-CI713

Intel i7 13th Generation CPU Rugged BOX PC

Features

- Intel® Core™ i7-1355U Processor
- 2*DDR4, Supports up to 64GB Max
- 2*HDMI + 1*VGA Triple Display
- M.2 SSD
- 2 x 1000M Gigabit Ethernet LAN
- 6*USB2.0, 2*USB3.2
- Support Wi-Fi 6 + Bluetooth and WWAN+GNSS
- 2*COM (2*RS232/485)
- DC in +12 to 19V
- Windows 11 Pro
- Fanless Design

Appearance





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Revision Table

Date	Revision	Content	By
2025/11/3	1	First Release	Devin

ACT POWER TAIWAN
Preliminary

ESY-CI713

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Specification

BOX PC	
CPU	Intel® Core™ i7-1355U Processor, 12M Cache, up to 5.00 GHz
Memory	2x SO-DIMM, DDR4 Max Support 64GB
Storage	2x SATA III, 6Gb/s 1 x M.2 M Key, Support M.2 2280mm SATA and NVME PCIe SSD
Display	Intel® Integrated Graphics Triple Display 2*HDMI Max. 4096x2304@60Hz 1*VGA Max. 1920 x 1200 @ 60Hz
Ethernet	2 x RTL8111H 10/100/1000 Gigabit Ethernet
I/O	• 2 x RJ45 • 2 x HDMI • 1 x VGA • 2 x USB3.2, 6 x USB2.0 • 1 x LINE-OUT & MIC-IN • Realtek ALC897 HD Audio Decoding Controller • 2 x COM DB9 • COM1, COM2 Support RS485/RS232 SET(Default Setting: RS232) • COM1, COM2 Support Pin9 +5V/+12V/RI SET • 1 x Power Button • 1 x Power LED; 1x HDD LED • 2 x Antenna Mounting Hole • 1 x DC Jack
Expansion (WIFI/GPS)	1 x M.2 E-Key (For Wi-Fi 6+Bluetooth or WWAN+GNSS) 1 x M.2 B-Key (For WWAN+GNSS)
Power Input	DC IN +12 to 19V (ϕ 5.5/2.5mm)
Other	TPM2.0, Watchdog H/W Reset: 1Sec. ~ 65535Sec./Min. and 1 Sec. or 1Min./Step.
OS	Windows 11 Pro
Dimension	193.7 x 228 x 51 mm
Weight	Approx. 2.0 kg
Mounting	Standard Floor Mount

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Environmental Compliance

Operating Temp.	Dependent on Storage and DRAM Type: - Standard SSD/DRAM: 0°C to +60°C (with Airflow) - Wide Temperature SSD/DRAM: -10°C to +70°C (with Airflow)
Storage Temp.	-20°C to +75°C
Humidity	5% to 95% RH @ 40°C, Non-Condensing
Shock	Design to Meet MIL-STD-810G/ IEC60068-2-64
Vibration	Design to Meet MIL-STD-810G/ IEC60068-2-27
EMC	Design to Meet CE, FCC
Cooling	Conduction Cooling

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

Deliverables

No.	Item
1	Intel i7 13 th Generation CPU Rugged BOX PC
2	Power Adapter
3	Power Cord

ESY-CI713

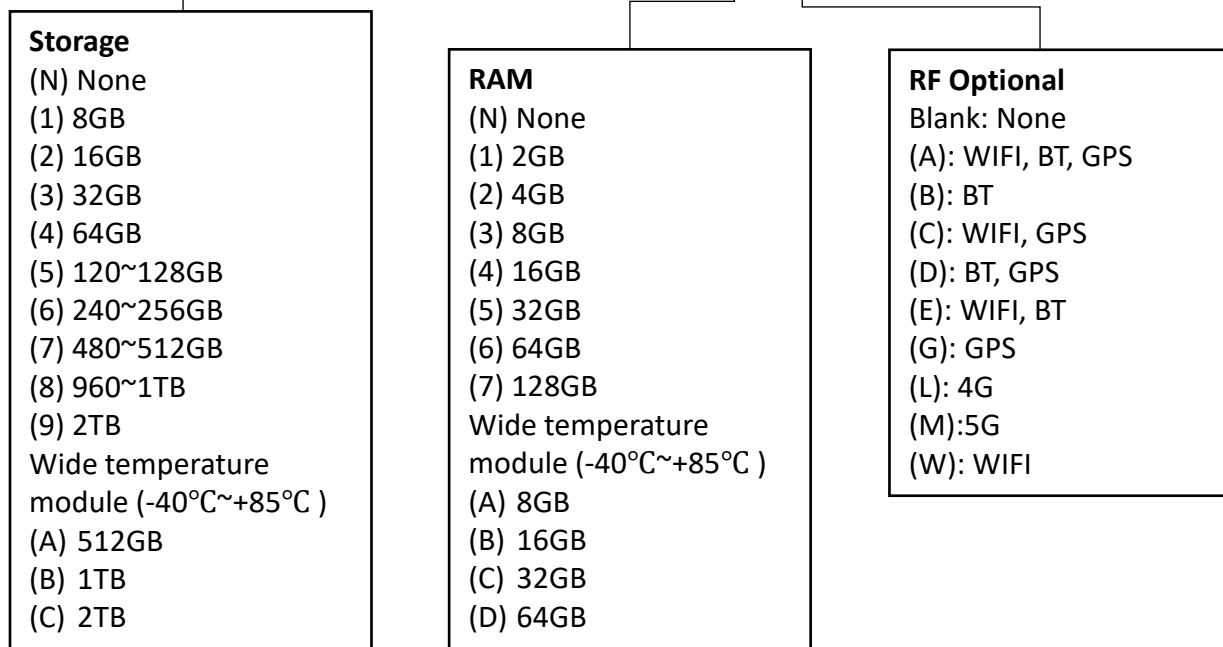
Intel i7 13th Generation CPU Rugged BOX PC

Ordering Information

Model Name	Description	Unit
ESY-CI713	Intel i7 13 th Generation CPU Rugged BOX PC	1

Ordering Details

ESY - CI713 - 8 6



Example: ESY-CI713-86

Intel i7 13th Generation CPU Rugged BOX PC, with 1TB SSD, 64GB DRAM

Example: ESY-CI713-BD

Intel i7 13th Generation CPU Rugged BOX PC, with Wide Temperature 1TB SSD, 64GB DRAM

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