

ESY-CI706

Intel i7 13th Generation CPU Rugged BOX PC

Features

- Intel® Core™ i7-1355U Processor
- Supports 16GB DDR5 SO-DIMM, Dual Channel Up to 64GB
- Support HDMI, DP Outputs
- 6 x 2.5GbE LAN Ports
- 12-19VDC input
- Windows 11
- Conduction Cooling

Appearance



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Revision Table

Date	Revision	Content	By
2024/6/27	0.1	First Draft	Dennis

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Specification

BOX PC	
CPU	Intel® Core™ i7-1355U Processor, 12M Cache, up to 5.00 GHz
Memory	Standard 1x 16GB pre-installed 2 x DDR5 SO-DIMM Slot, total maximum 64 GB
Storage	1x 2.5-inch SATA3.0 2x M.2 M-Key 2280, (PCIe 4.0 x 4 & E-Key, PCIe 4.0 x 4/SATA3.0 protocol optional) Standard 512GB SSD Pre-installed
Graphics	Intel® Iris® Xe Graphics eligible
Display	1x HDMI2.0 (4K@60Hz) 1x DP (8K@60Hz) 1x USB-C (DP 8K@60Hz + USB3.2)
Ethernet	6x 2.5GbE LAN (LAN1-5 x Intel i226-V, LAN6 x RTL8156B)
I/O	6x RJ45 1x HDMI 1x DP 3x USB3.0, 1x USB2.0, 1x USB-C (U3.2) 1x SD Card 1x Audio in 1x Line Out
WIFI	E-Key (PCIe + USB2.0) WIFI, BT Module (Optional)
Power Input	12-19 VDC input, 90W
OS	Windows 11

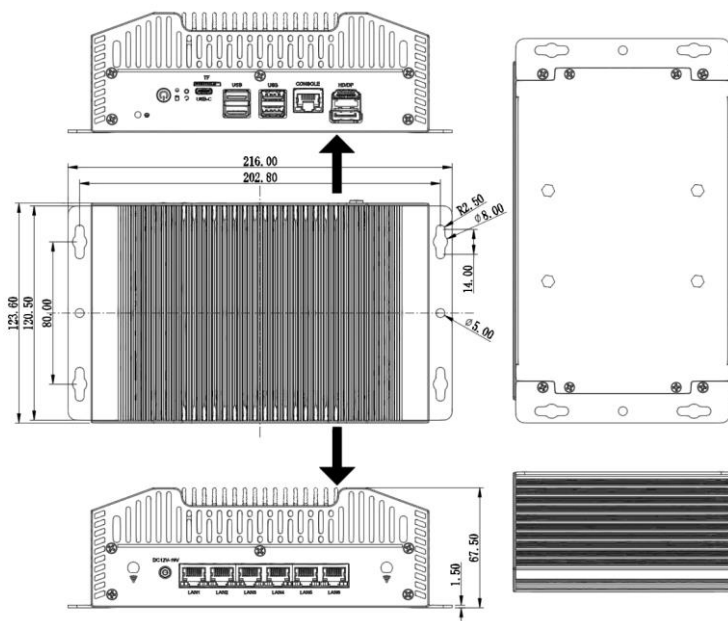
Environment Compliance

Operating Temp.	-20°C to +70°C
Storage Temp.	-40°C to +85°C
Humidity	Ta≤40°C, 90%RH, non-condensing
Cooling	Conduction Cooling
Chassis	Rugged Floor Mount Design. Customization to be discussed.
Dimension	216 x 123.6 x 67.5mm
Weight	Approx. 2.5kg

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

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Deliverables

- 1 Intel i7 13th Generation CPU Rugged BOX PC

Ordering Information

Model Name	Description	Unit
ESY-CI706	Intel i7 13 th Generation CPU Rugged BOX PC	1

Ordering Details

ESY-CI706 - 2 6 W

SSD Capacity

- (N) None
- (1) 8GB
- (2) 16GB
- (3) 32GB
- (4) 64GB
- (5) 120~128GB
- (6) 240~256GB
- (7) 480~512GB
- (8) 960~1TB
- (9) 2TB

RAM Capacity

- (N) None
- (1) 2GB
- (2) 4GB
- (3) 8GB
- (4) 16GB
- (5) 32GB
- (6) 64GB

RF Optional

- Blank: None
- (B): BT
- (G): GPS
- (L): 4G/5G
- (W): WIFI