

# ISY-B00D-Mi7-4M

Rev. 04

## MAIN FEATURES

- Intel® Core™ i7-10710U
- Supports 16GB DDR4 2666 SODIMM, Dual Chanel Up to 64GB
- Support HDMI/VGA Output
- RTL8111 GbE LAN
- Support GPS
- Wide Range DC 9~36V Input
- Ignition Module supported

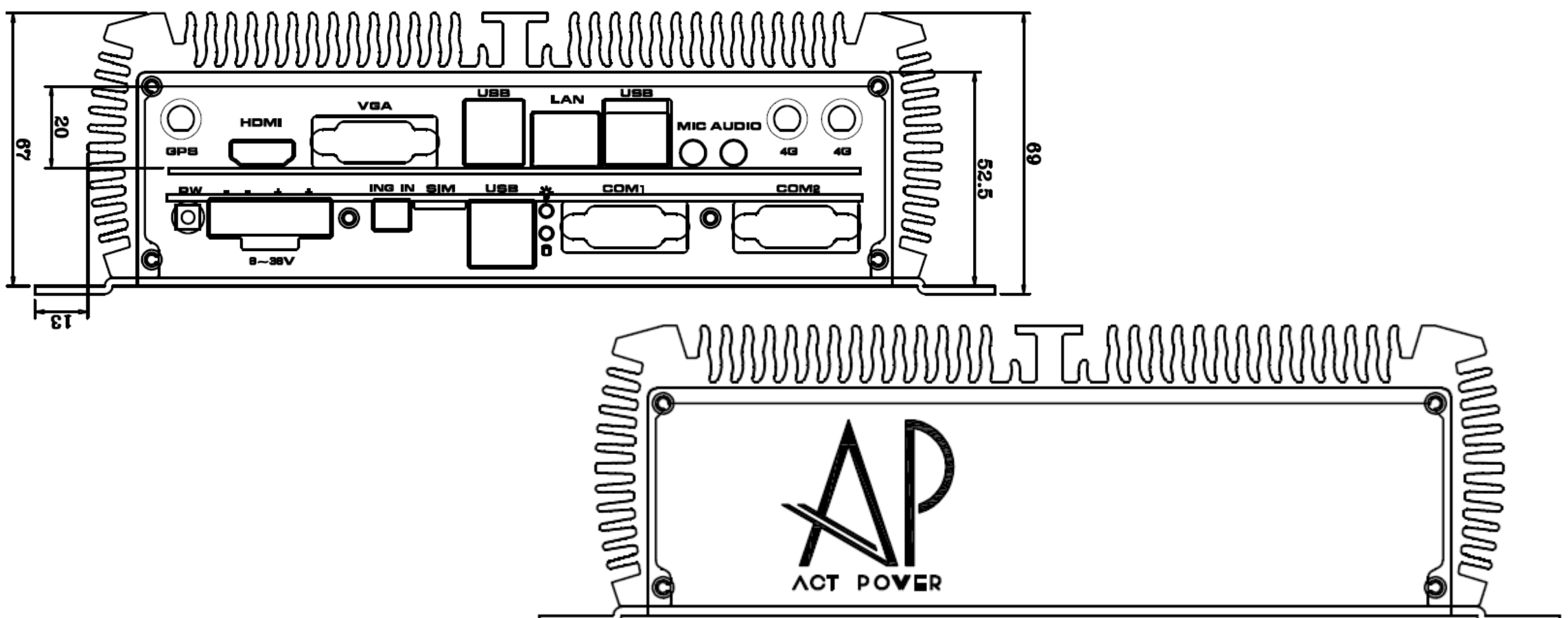
## INTRODUCTION

ISY-B00D-M series is rugged embedded computer based on Intel® 10th-Gen Comet Lake platform. The latest Core™ processor comes with up to 6 cores and 12 threads and presents an incredible boost of computational performance. I/O functions are also comprehensively enhanced. In addition to two Gigabit Ethernet ports, ISY-B00D-M series features two USB 3.0 ports and a RJ45 GbE LAN ports.

It also has an upgraded M.2 2280 slot to support the latest NVMe SSD to boost disk read/write speed up to 7000 MB/s.

With its field-proven thermal design, significant CPU and I/O upgrades, the ISY-B00D-M series fits your need for ruggedness, performance, and versatility for a variety of applications.

## APPEARANCE



# ISY-B00D-Mi7-4M

Rev. 04

## SPECIFICATION

<b>Processor</b>	Intel® Core™ i7-10710U
<b>Memory</b>	16 GB DDR4-2666 SO-DIMM, one slot free on delivery. Dual Channel (max 64GB)
<b>Graphics</b>	Intel® UHD Graphics
<b>Display</b>	HDMI x1 VGA x1
<b>Storage Interface</b>	512 GB M.2 2280 SSD x1
<b>Ethernet port</b>	RTL8111 GbE LAN x2
<b>Audio</b>	ALC 897 chip
<b>I/O</b>	HDMI x1 (Support resolution 4092x2304 @24Hz) VGA x1 (Support resolution 1920x1080 @60Hz) Line-Out x1, MIC x1 RJ45 USB 3.0 x2 USB 2.0 x4 COM port – RS232 (COM1, COM2) x2 GPS antenna connector SMA x1 set (2T2R) Ignition Input x1 SIM Slot (Optional) 4G antenna connector SMA x1 (Optional) COM port (COM3 – COM6) x 4 (Optional)
<b>OS Support</b>	Windows 10 IoT (Optional)
<b>GPS</b>	mPCI-e GPS Module, supports GPS L1 C/A frequency
<b>Power Input</b>	9~36 VDC Phoenix Connector 4PIN, with Ignition Module
<b>Mounting</b>	Floor mount
<b>Box Dimension</b>	236(W) x 196.2 (D) x 67 (H) mm
<b>Gross Weight</b>	Approx. 3.5 kg
<b>Net Weight</b>	Approx. 2.8 kg
<b>Environment</b>	Operating Temperature : 0 ~ 70°C Storage Temperature : -20 ~ 70°C
<b>Storage Humidity</b>	5 ~ 95% @ 40C, non-condensing
<b>Vibration</b>	Operational, MIL-STD-810G, Method 514.6, Procedure 1, Category 4, per Figure 514.6C-1.
<b>Shock</b>	Operational, MIL-STD-810G, Method 516.6, Procedure 1
<b>Accessories</b>	PC Power Cable (Phoenix Connector to Bare wire, 14AWG) 3m x1 Ignition System Cable (Phoenix Connect to Bare wire) 3m x1

## ORDER INFORMATION

Model No.	Product Description
ISY-B00D-Mi7-4M	Intel® 10th-Gen Core™ i7-10710U, 16GB DDR4-2666, 512 M.2 SSD, GPS Module, Ignition Detection Module