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
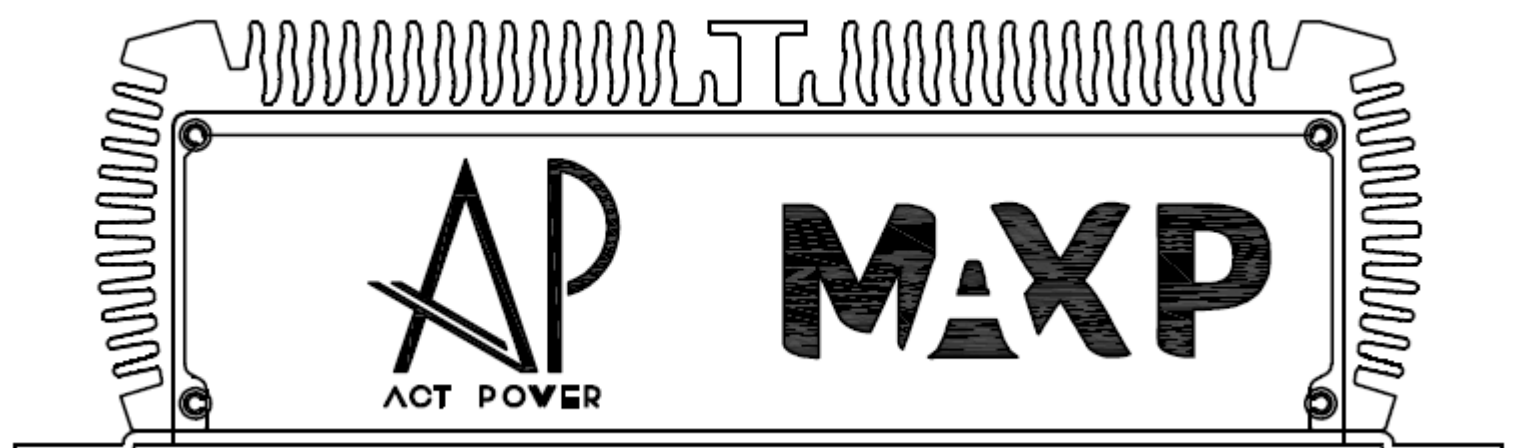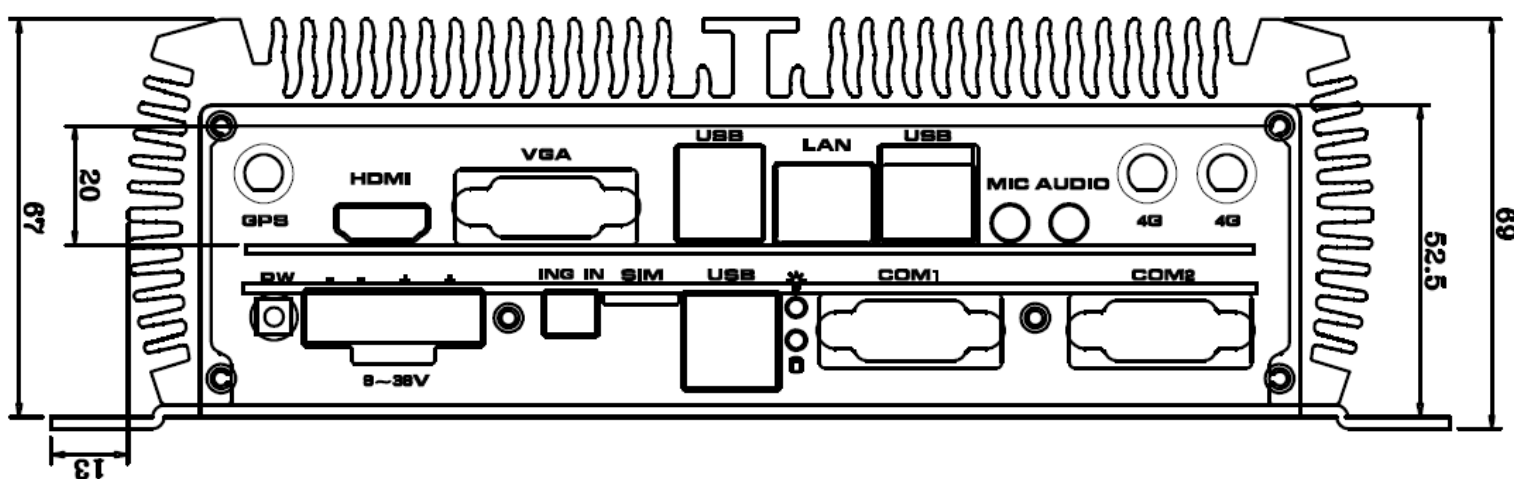- Ignition Module supported

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

Processor	Intel® Core™ i7-10710U
Memory	16 GB DDR4-2666 SO-DIMM, one slot free on delivery. Dual Channel (max 64GB)
Graphics	Intel® UHD Graphics
Display	HDMI x1 VGA x1
Storage Interface	512 GB M.2 2280 SSD x1
Ethernet port	RTL8111 GbE LAN x2
Audio	ALC 897 chip
I/O	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)
OS Support	Windows 10 IoT (Optional)
GPS	mPCI-e GPS Module, supports GPS L1 C/A frequency
Power Input	9~36 VDC Phoenix Connector 4PIN, with Ignition Module
Mounting	Floor mount
Box Dimension	236(W) x 196.2 (D) x 67 (H) mm
Gross Weight	Approx. 3.5 kg
Net Weight	Approx. 2.8 kg
Environment	Operating Temperature : 0 ~ 70℃ Storage Temperature : -20 ~ 70℃
Storage Humidity	5 ~ 95% @ 40C, non-condensing
Vibration	Operational, MIL-STD-810G, Method 514.6, Procedure 1, Category 4, per Figure 514.6C-1.
Shock	Operational, MIL-STD-810G, Method 516.6, Procedure 1
Accessories	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

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