

IPM-1001/1201

10.4"/12.1" Fanless IP Monitor

Quick Reference Guide

2nd Ed – 19 September, 2018

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FCC Statement



THIS DEVICE COMPLIES WITH PART 15 FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE.
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

THIS EQUIPMENT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS "A" DIGITAL DEVICE, PURSUANT TO PART 15 OF THE FCC RULES.

THESE LIMITS ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST HARMFUL INTERFERENCE WHEN THE EQUIPMENT IS OPERATED IN A COMMERCIAL ENVIRONMENT. THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY ENERGY AND, IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTION MANUAL, MAY CAUSE HARMFUL INTERFERENCE TO RADIO COMMUNICATIONS.

OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE HARMFUL INTERFERENCE IN WHICH CASE THE USER WILL BE REQUIRED TO CORRECT THE INTERFERENCE AT HIS OWN EXPENSE.

Notice

This guide is designed for experienced users to setup the system within the shortest time. For detailed information, please always refer to the electronic user's manual.

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To receive the latest version of the user's manual; please visit our Web site at:

<http://www.avalue.com.tw/>

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1. Getting Started

1.1 Safety Precautions

Warning!



Always completely disconnect the power cord from your chassis whenever you work with the hardware. Do not make connections while the power is on. Sensitive electronic components can be damaged by sudden power surges. Only experienced electronics personnel should open the PC chassis.

Caution!



Always ground yourself to remove any static charge before touching the CPU card. Modern electronic devices are very sensitive to static electric charges. As a safety precaution, use a grounding wrist strap at all times. Place all electronic components in a static-dissipative surface or static-shielded bag when they are not in the chassis.

1.2 Packing List

- 1 x IPM-1001/1201 Fanless IP Monitor
- 1 x packing set includes the followings
 - 1 x 12V adapter
 - 4 x M4 Screw



If any of the above items is damaged or missing, contact your retailer.

1.3 System Specifications

Fanless IP Monitor		
Model	IPM-1001	IPM-1201
PC-Over-LAN	ASPEED AST1510	
CPU Cooler (Type)	Fanless	
Memory	DDRII 1066MHz 1Gbit	
Speaker	2W*2	
Panel		
LCD Panel	10.4" 1024*768	12.1" 1024*768
Touch Screen	Higgstec 5-wire Resistive Touch	
Touch Controller	Built-in Touch controller on board (by USB)	
PCAP	Optional	
External I/O		
USB Port	2 x USB 2.0	
HDMI In	1 x HDMI In	
HDMI Out	1 x HDMI out	
Headphone Jack	1 x 3.5mm stereo jack	
Ethernet	1 x RJ45 Gigabit(with Powered LAN)	
Mechanical & Environmental		
Power Requirement	+12~26V DC-in or Powered LAN	
Power Connector	DC jack or RJ45 connector	
Operating Temp	0 ~ 50°C (32 ~ 122°F)	
Storage Temp	-30 ~ 70°C (-22 ~ 158°F)	
Relative Humidity	5 ~ 90% Relative Humidity, Non-condensing	
Mounting	1.VESA mount 75mm x 75mm & 100mm x 100mm 2.DIN Rail 3.Wall Mount	
Water Proof	IPM-1001: IP65 Compliant front panel, IP41 Rear box IPM-1002: Full system IP65	IPM-1201: IP65 Compliant front panel, IP41 Rear box IPM-1202: Full system IP65
Dimension	IPM-1001: 265 x 201 x 42 mm IPM-1002: 265 x 201 x 58mm	IPM-1201: 284 x 223 x 43 mm IPM-1202: 284 x 223 x 59 mm
Weight	IPM-1001: 1.95 kg IPM-1002: 2.12 kg	IPM-1201: 2.21 kg IPM-1202: 2.38 kg
Color	Front: Silver / Rear: Black	

Construction	Front : Aluminum / Rear : SGCC	
Reliability		
EMI Test	Class A	
Safety	CE & FCC	
Dust and Rain Test	IPM-1001: IP65 Compliant front panel, IP41 Rear box IPM-1002: Full system IP65	IPM-1201: IP65 Compliant front panel, IP41 Rear box IPM-1202: Full system IP65
Vibration Test	Avalue Standard Test Criteria	Avalue Standard Test Criteria
Mechanical Shock Test	Avalue Standard Test Criteria	Avalue Standard Test Criteria

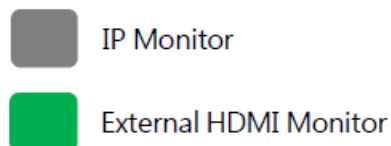


Note: Specifications are subject to change without notice.

Remark:

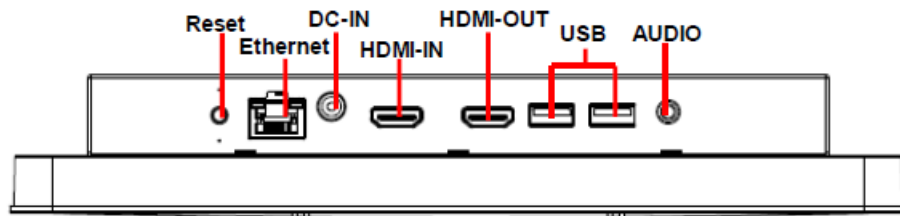
When HDMI monitor is connected to HDMI-out connector, the content from Display Over Ethernet (DoE) is switched to HDMI monitor and the content from HDMI-In remains on IP monitor screen.

	HDMI-out		
	X	V	
DoE Content	DoE	No Signal	DoE
HDMI-in	HDMI	HDMI	No Signal
DoE Content + HDMI-in	HDMI	HDMI	DoE

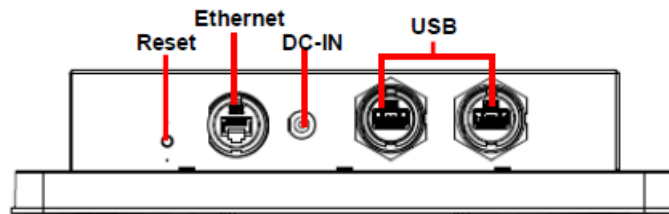


1.4 System Overview

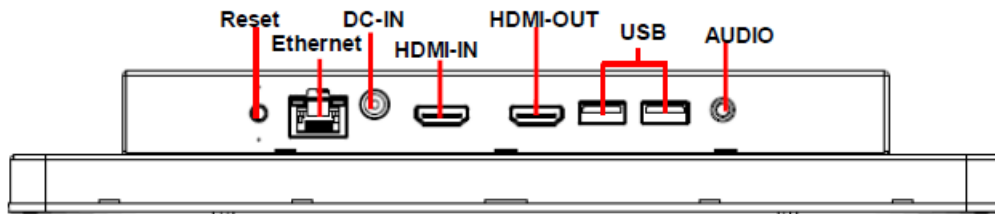
1.4.1 IPM-1001 Rear View



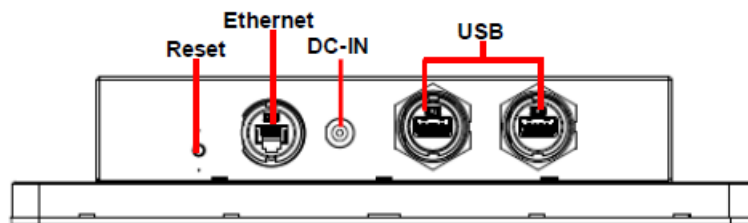
1.4.2 IPM-1002 Rear View



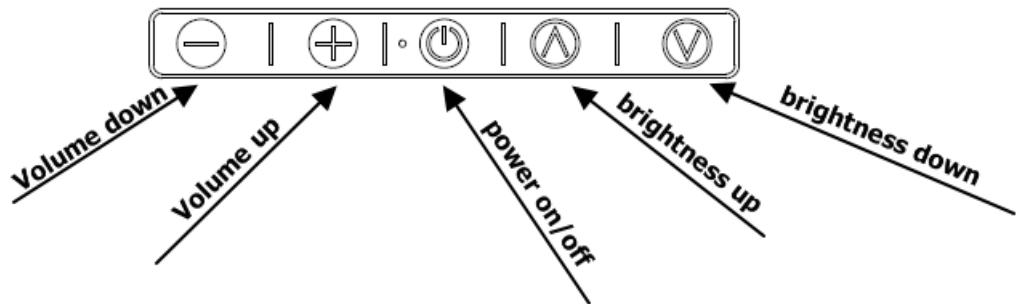
1.4.3 IPM-1201 Rear View



1.4.4 IPM-1202 Rear View



1.4.5 Membrane

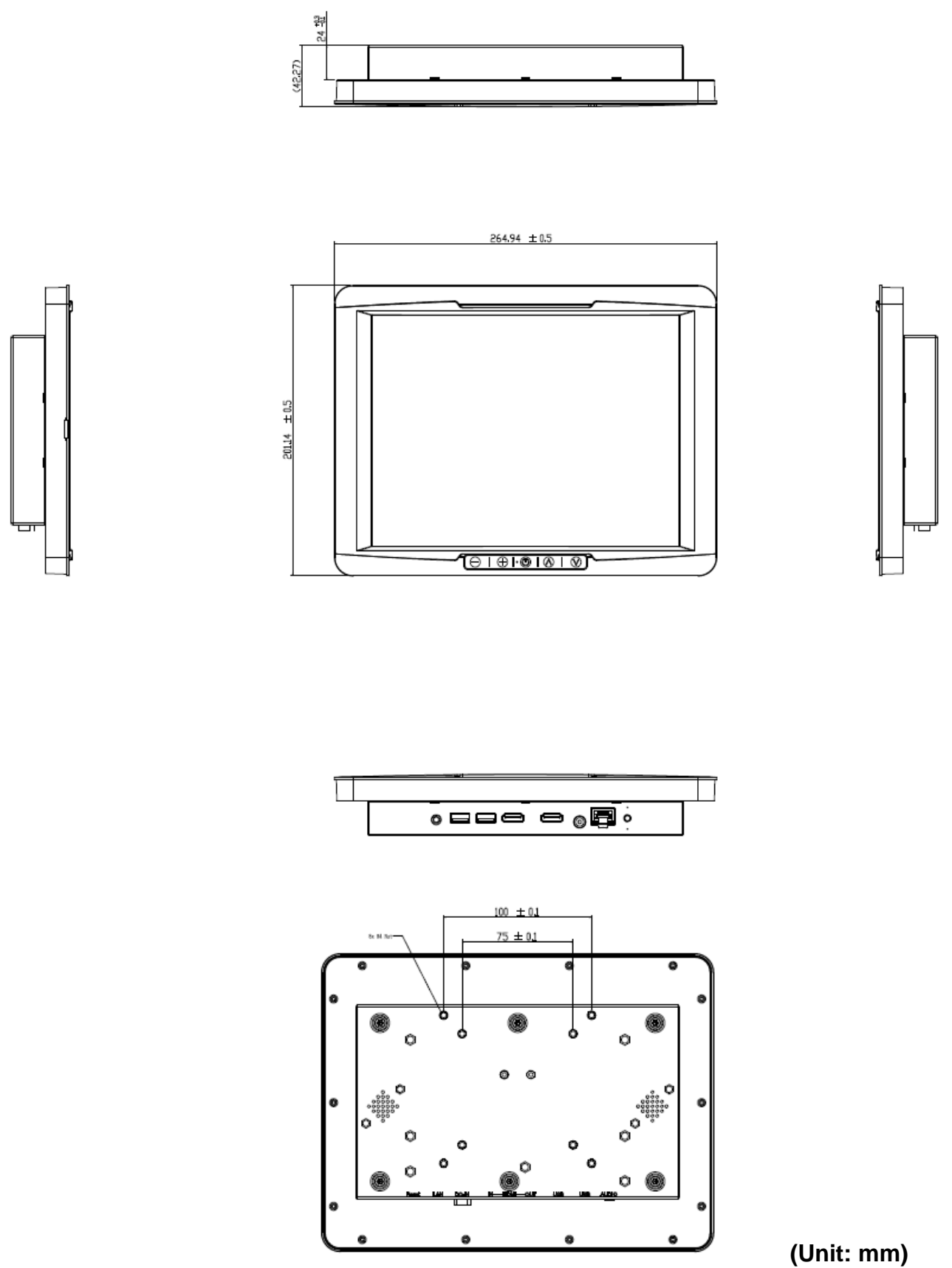


Connectors

Label	Function	Note
HDMI-IN	HDMI-IN connector	
HDMI-OUT	HDMI-OUT connector	
DC IN	DC Power-in connector	
Ethernet	RJ45 Gigabit Ethernet(with Powered LAN) connector	
Audio	Audio connector	
USB	2 x USB 2.0 connector	
Reset	Reset button	

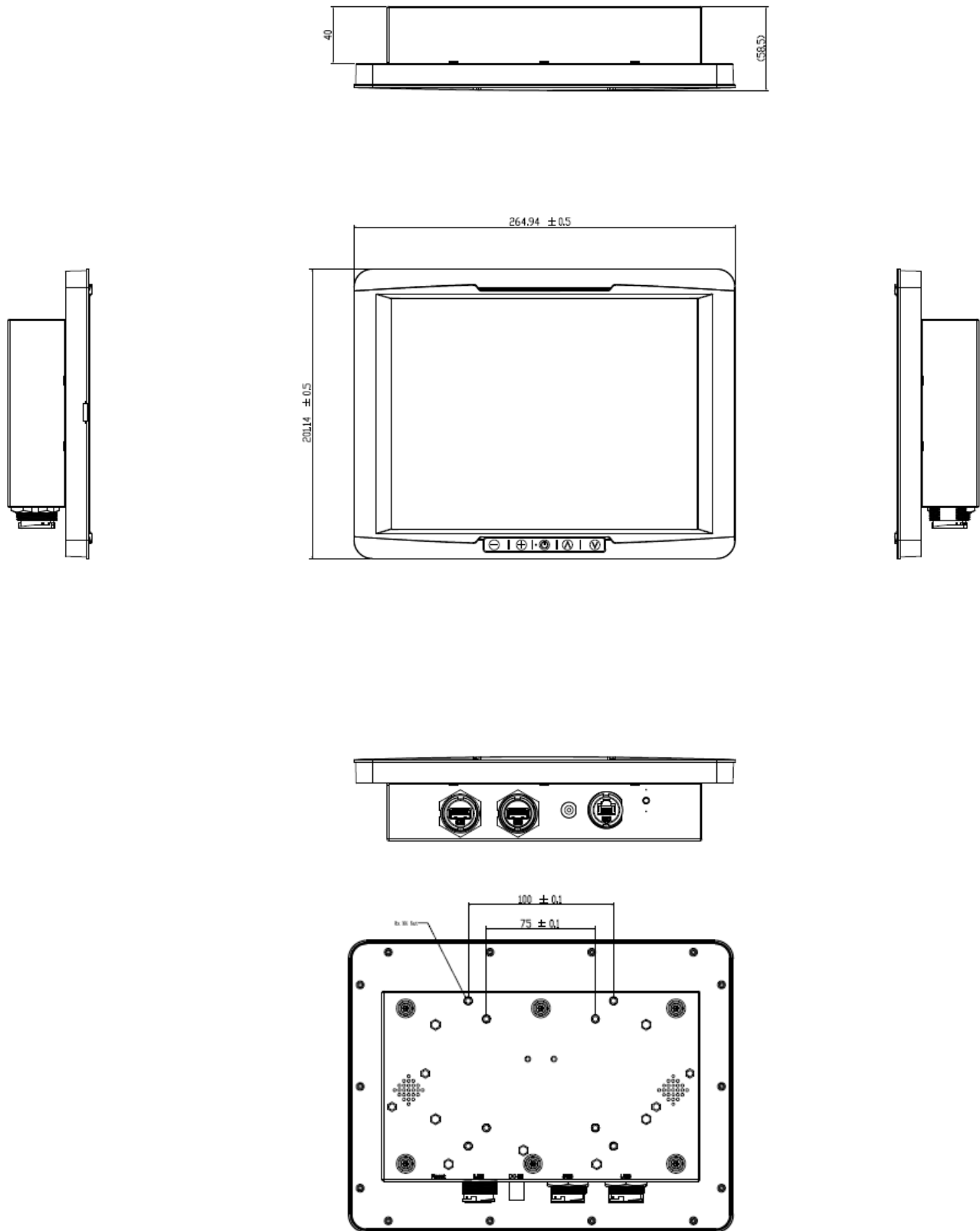
1.5 System Dimensions

1.5.1 IPM-1001



(Unit: mm)

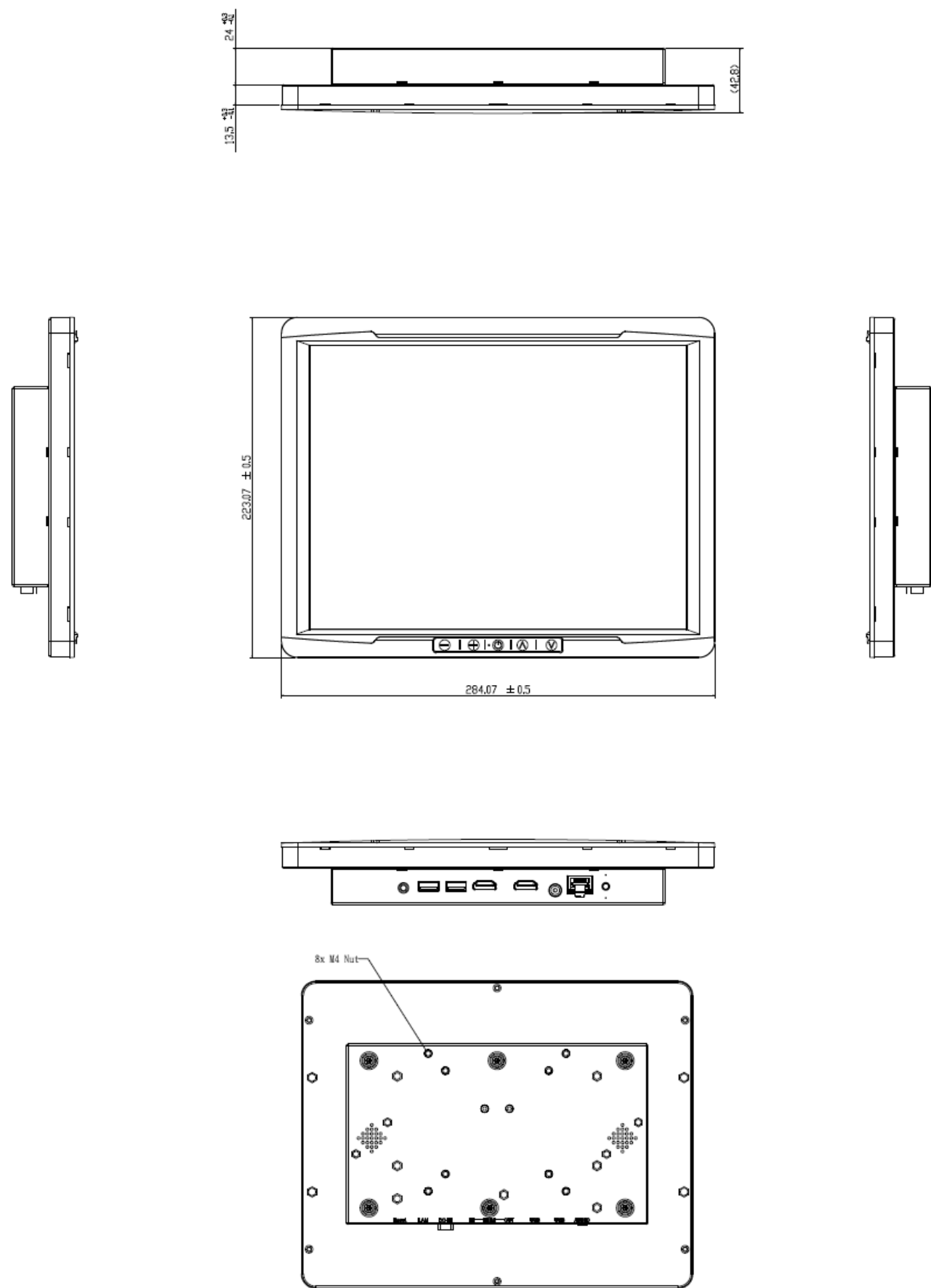
1.5.2 IPM-1002



(Unit: mm)

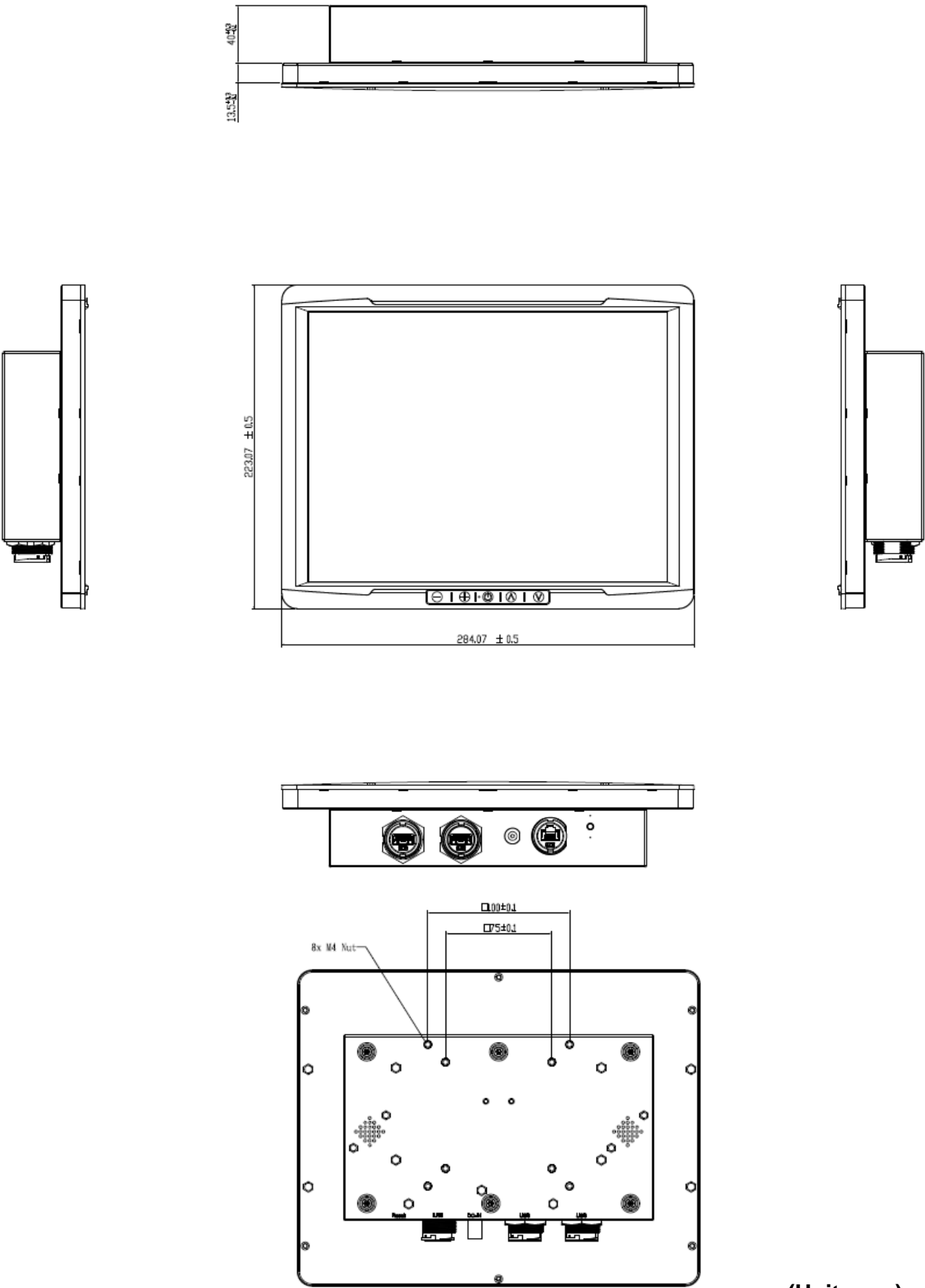
IPM-1001/1201

1.5.3 IPM-1201



(Unit: mm)

1.5.4 IPM-1202



(Unit: mm)

