

**11<sup>th</sup> Gen 15”, 17”, 19”  
Front IP66 Silver Aluminum Touch IPC**

**Features**

- Fanless and rugged design
- 11<sup>th</sup> Gen Intel® Core™ Celeron 6305E / i3 1115G4E / i5 1145G7E / i7 1185G7E processors
- Resolution 1024 x 768 dpi / 1280 x 1024 dpi
- True Flat PCT / 5 Wires Resistive touch solution
- IP66 Silver Aluminum front bezel
- 4 x USB 3.2, 2 x RS232/422/485, 2 x GLAN, 1 x HDMI, 1 x DP
- VESA mount & Panel mount & Clip mount



**Specifications**

Model No.	TP150P103/104/105/106S	TP150R103/104/105/106S	TP170P103/104/105/106S	TP170R103/104/105/106S	TP190P103/104/105/106S	TP190R103/104/105/106S
<b>System</b>						
<b>CPU</b>	11 <sup>th</sup> Gen Intel® Core™ Celeron 6305E / i3 1115G4E / i5 1145G7E / i7 1185G7E processors					
<b>Memory</b>	2 x 260-pin DDR4 3200MHz SODIMM up to 64 GB					
<b>H/W Monitor</b>						
<b>H/W Monitor</b>	Watch Dog Timer 256 Level					
<b>TPM</b>						
<b>Controller</b>	Infineon SLB9670VQ2.0					
<b>I/O Ports</b>						
<b>RS232/422/485</b>	2					



USB 3.2	4					
GLAN	2					
HDMI	1					
DP	1					
GPIO						
<b>Storage</b>						
Storage	1 x SATA 3.0					
<b>Expansion</b>						
M.2	1 x M.2 M key(PCI e Gen x 4 NVMe) 2280 1 x M2 B Key ( PCI e x 1 , USB 2.0 w/NANO SIM Holder SATA 3.0) 2242/3042 1 x M.2 E key (PCI e x 1, USB 2.0) 2230					
<b>Power Requirement</b>						
Power Requirement	3 Pin power terminal block for DC in 12V ~ 24V( OCP & OVP)					
<b>Touch Screen</b>						
Touch Screen	PCT	5W(one touch)	PCT	5W(one touch)	PCT	5W(one touch)
<b>OS support</b>						
OS support	Win Pro 10 / Window 10 IoT / Linux Kernel 5.4 Ubuntu LTS					
<b>Display</b>						
Size	15" TFT (4:3)		17" TFT (4:3)		19" TFT (4:3)	
Resolution	1024 x 768		1280 x 1024		1280 x 1024	
Colors	16.2M		16.7M		16.7M	
Luminance	400 cd/m <sup>2</sup>		350 cd/m <sup>2</sup>		250 cd/m <sup>2</sup>	
Contrast Ratio	700:1		1000:1		1000:1	
View Angle (H/V)	160°/160°		140°/170°		170°/160°	
<b>Mechanical &amp; Environmental</b>						
Operation Temp.	0 ~ 45°C					
Storage Humidity	10 ~ 90%, non-condensing					



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<b>Mounting</b>	VESA mount (100 x 100mm) & Panel mount & Clip mount					
<b>Dimension (WxHxD)</b>	441 x 322 x 71 mm		483 x 376 x 71 mm		528 x 414 x 71 mm	
<b>Weight</b>	6.1 kg		7.3 kg		8.5 kg	
<b>Optional</b>						
<b>P/N: 2390000003</b>	External antenna ( WIFI )					
	5G LTE Module					
<b>P/N: 302A17005A</b>	1600 cd/m <sup>2</sup> High Brightness 15" LCD panel 1024 x 768 dpi					
<b>P/N: 302A17005B</b>	1600 cd/m <sup>2</sup> High Brightness 17" LCD panel 1280 x 1024 dpi					
<b>P/N: 2320000001</b>	Optical Bonding					
<b>P/N : 239SP17002</b>	10pcs x Clips					
<b>P/N: 3080212002</b>	1 x RS232/422/485					
<b>P/N: 3011100020</b>	Waterproof sponge					
<b>Optional HB Panel</b>	<b>TP150P103/104/105/106J</b>	<b>TP150R103/104/105/106J</b>	<b>TP170P103/104/105/106J</b>	<b>TP170R103/104/105/106J</b>	<b>TP190P103/104/105/106J</b>	<b>TP190R103/104/105/06J</b>
<b>Resolution</b>	1024 x 768		1280 x 1024		1280 x 1024	
<b>Color</b>	16.2M		16.7M		16.7M	
<b>Luminance</b>	1000 cd/m <sup>2</sup>		1000 cd/m <sup>2</sup>		1000 cd/m <sup>2</sup>	
<b>Contrast Ratio</b>	2000 : 1		1000 : 1		1000 : 1	
<b>Viewing Angle (H/V)</b>	176°/176°		170°/165°		170°/160°	
<b>Ordering Information</b>						
<b>TP150P103S04128</b>	15" panel PC, Intel Celeron 6305E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter		<b>TP150P103J04128</b>	15" panel PC, Intel Celeron 6305E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit		
<b>TP150P104S04128</b>	15" panel PC, Intel i3 1115G4E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter		<b>TP150P104J04128</b>	15" panel PC, Intel i3 1115G4E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit		



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<b>TP150P105S04128</b>	15" panel PC, Intel i5 1145G7E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP150P105J04128</b>	15" panel PC, Intel i5 1145G7E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
<b>TP150P106S04128</b>	15" panel PC, Intel i7 1185G7E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP150P106J04128</b>	15" panel PC, Intel i7 1185G7E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
<b>TP150R103S04128</b>	15" panel PC, Intel Celeron 6305E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP150R103J04128</b>	15" panel PC, Intel Celeron 6305E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
<b>TP150R104S04128</b>	15" panel PC, Intel i3 1115G4E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP150R104J04128</b>	15" panel PC, Intel i3 1115G4E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
<b>TP150R105S04128</b>	15" panel PC, Intel i5 1145G7E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP150R105J04128</b>	15" panel PC, Intel i5 1145G7E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
<b>TP150R106S04128</b>	15" panel PC, Intel i7 1185G7E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP150R106J04128</b>	15" panel PC, Intel i7 1185G7E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
<b>TP170P103S04128</b>	17" panel PC, Intel Celeron 6305E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP170P103J04128</b>	17" panel PC, Intel Celeron 6305E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
<b>TP170P104S04128</b>	17" panel PC, Intel i3 1115G4E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP170P104J04128</b>	17" panel PC, Intel i3 1115G4E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit



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<b>TP170P105S04128</b>	17" panel PC, Intel i5 1145G7E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP170P105J04128</b>	17" panel PC, Intel i5 1145G7E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
<b>TP170P106S04128</b>	17" panel PC, Intel i7 1185G7E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP170P106J04128</b>	17" panel PC, Intel i7 1185G7E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
<b>TP170R103S04128</b>	17" panel PC, Intel Celeron 6305E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP170R103J04128</b>	17" panel PC, Intel Celeron 6305E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
<b>TP170R104S04128</b>	17" panel PC, Intel i3 1115G4E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP170R104J04128</b>	17" panel PC, Intel i3 1115G4E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit.
<b>TP170R105S04128</b>	17" panel PC, Intel i5 1145G7E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP170R105J04128</b>	17" panel PC, Intel i5 1145G7E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter 1000nit
<b>TP170R106S04128</b>	17" panel PC, Intel i7 1185G7E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP170R106J04128</b>	17" panel PC, Intel i7 1185G7E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
<b>TP190P103S04128</b>	19" panel PC, Intel Celeron 6305E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP190P103J04128</b>	19" panel PC, Intel Celeron 6305E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
<b>TP190P104S04128</b>	19" panel PC, Intel i3 1115G4E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP190P104J04128</b>	19" panel PC, Intel i3 1115G4E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit



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<b>TP190P106S04128</b>	19" panel PC, Intel i7 1185G7E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP190P106J04128</b>	19" panel PC, Intel i7 1185G7E, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
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<b>TP190R106S04128</b>	19" panel PC, Intel i7 1185G7E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>TP190R106J04128</b>	19" panel PC, Intel i7 1185G7E, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
<b>**Specifications are subject to change without notice.</b>			



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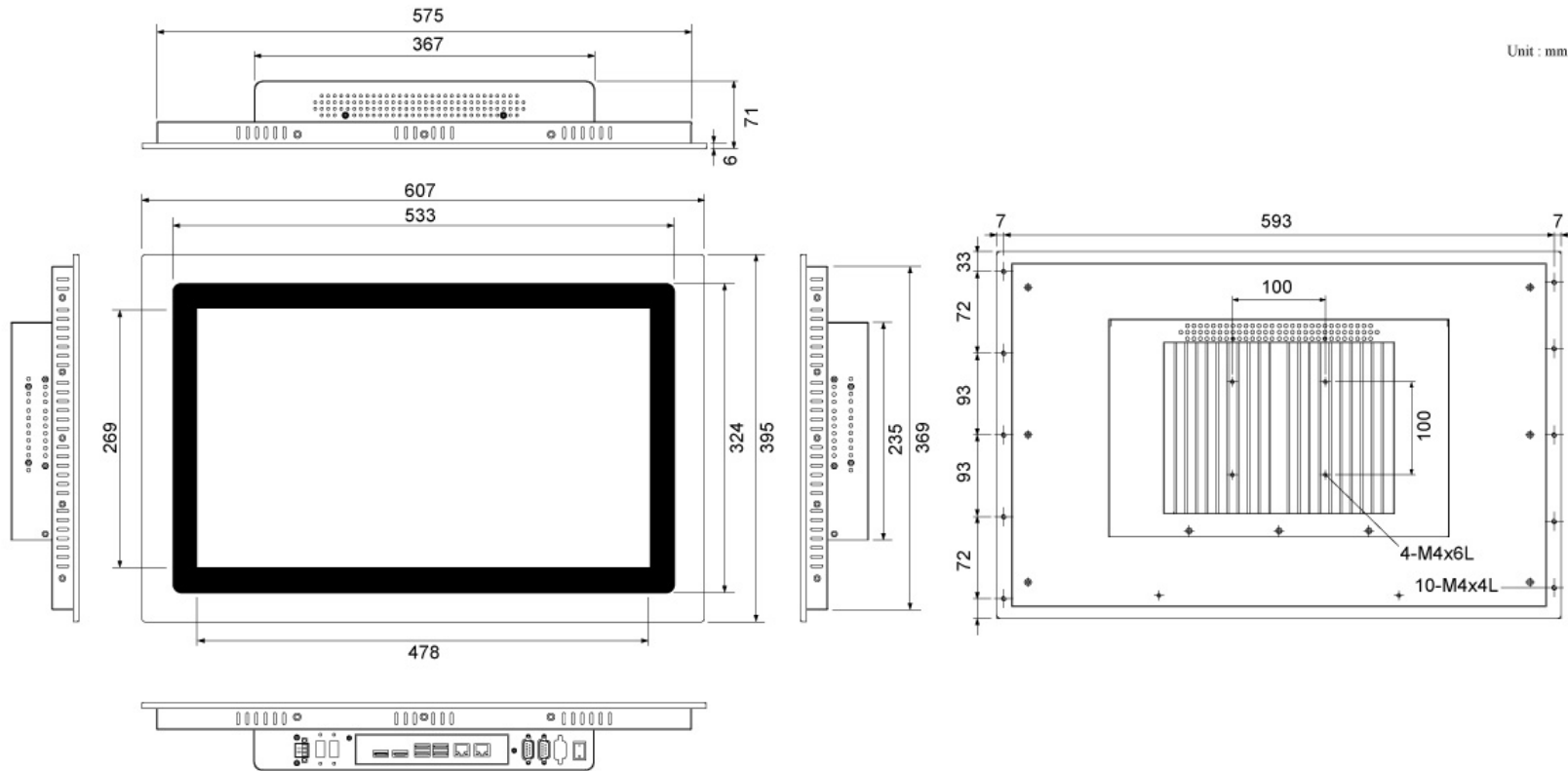
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## Dimension

- TP150P103/104/105/106S, TP150R103/104/105/106S



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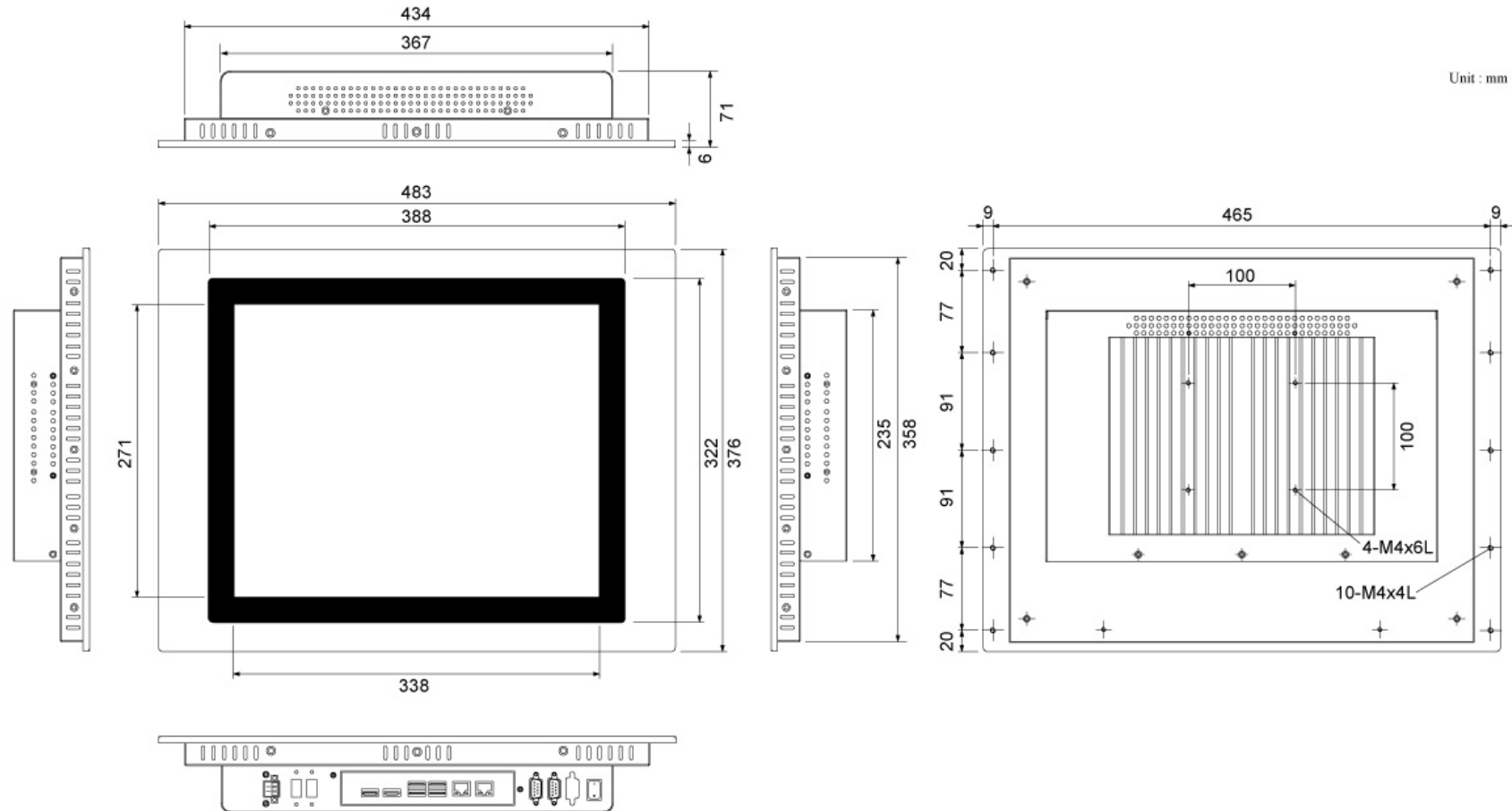
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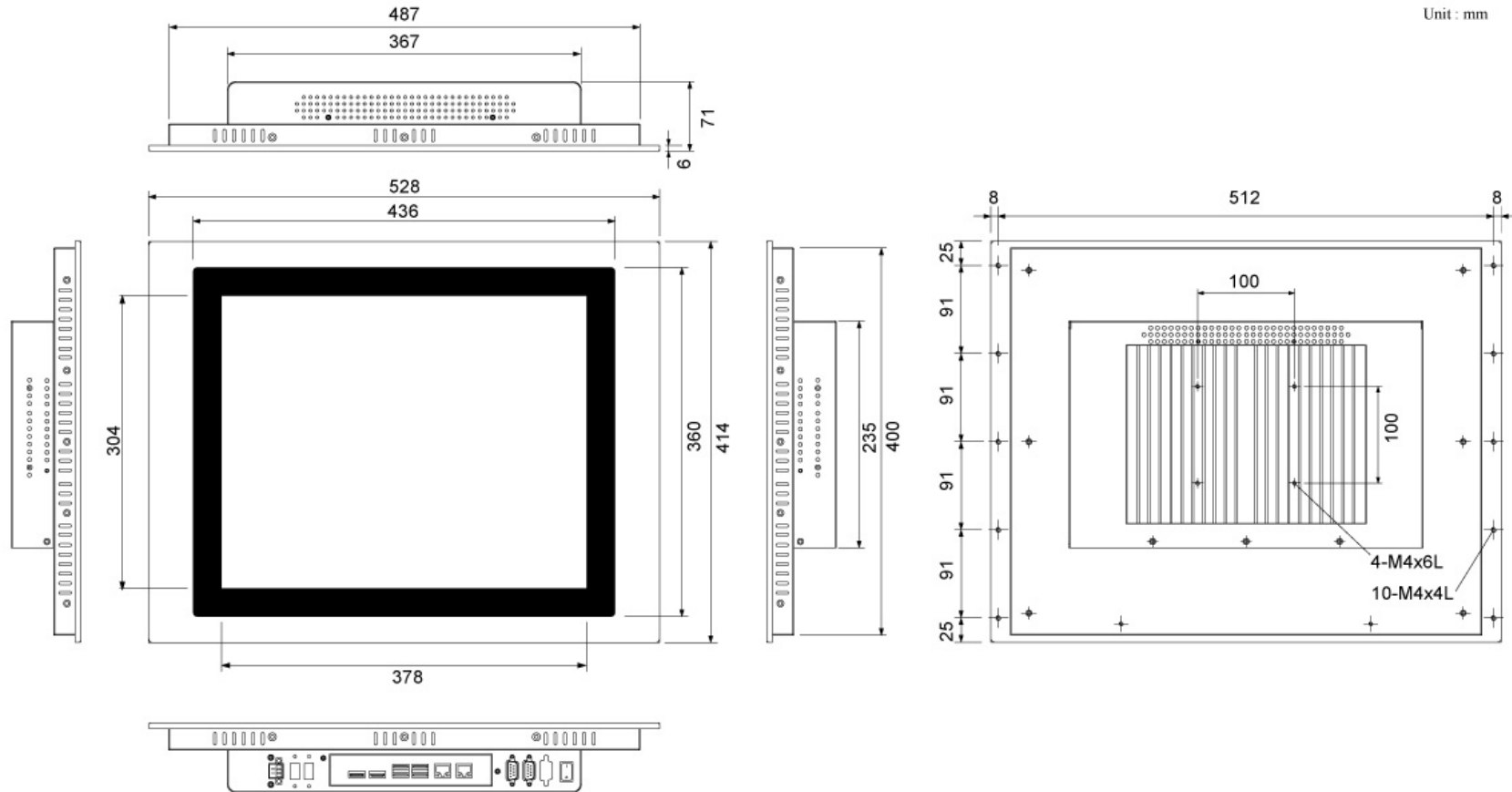
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