

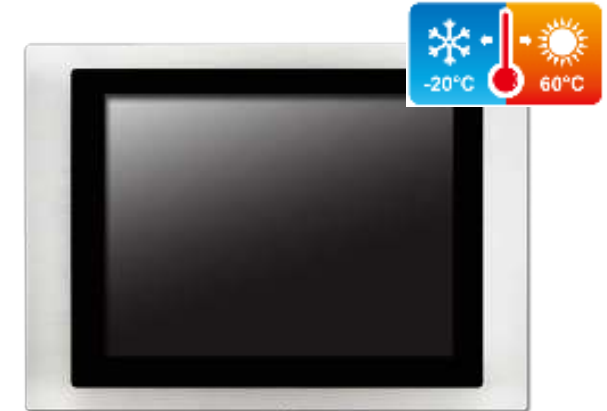
Wide Temp. -TP Series



11th Gen 15", 17", 19" Front IP66 Silver Aluminum Touch IPC

Features

- Fanless and rugged design
- Wide temperature solution
- 11th Gen Intel® Core™ i3 1115GRE/ i7 1185GRE 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.	TP150P104/106W	TP150R104/106W	TP170P104/106W	TP170R104/106W	TP190P104/106W	TP190R104/106W
System						
CPU	11 th Gen Intel® Core™ i3 1115GRE / i7 1185GRE processors					
Memory	2 x 260-pin DDR4 3200MHz SODIMM up to 64 GB					
H/W Monitor						
H/W Monitor	Watch Dog Timer 256 Level					
TPM						
Controller	Infineon SLB9670VQ2.0					
I/O Ports						



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RS232/422/485	1					
USB 3.2	4					
GLAN	2					
HDMI	1					
DP	1					
GPIO	16 bits (8 x GPI , 8 x GPO), 5V , 2 x D- SUB connectors					
Storage						
Storage	1 x SATA 3.0					
Expansion						
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					
Power Requirement						
Power Requirement	3 Pin power terminal block for DC in 12V ~ 24V(OCP & OVP)					
Touch Screen						
Touch Screen	PCT	5W(one touch)	PCT	5W(one touch)	PCT	5W(one touch)
OS support						
OS support	Win Pro 10 / Window 10 IoT / Linux Kernel 5.4 Ubuntu LTS					
Display						
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 ²		350 cd/m ²		250 cd/m ²	
Contrast Ratio	700:1		1000:1		1000:1	
View Angle (H/V)	160°/160°		140°/170°		170°/160°	
Mechanical & Environmental						
Operation Temp.	-20 ~ 60°C					



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Storage Humidity	10 ~ 90%, non-condensing					
Mounting	VESA mount (100 x 100mm) & Panel mount & Clip mount					
Dimension (WxHxD)	441 x 322 x 71 mm		483 x 376 x 71 mm		528 x 414 x 71 mm	
Weight	6.1 kg		7.3 kg		8.5 kg	
Optional						
P/N: 2390000003	External antenna (WIFI)					
P/N: 302A17005A	1600 cd/m ² High Brightness 15" LCD panel 1024 x 768 dpi					
P/N: 302A17005B	1600 cd/m ² High Brightness 17" LCD panel 1280 x 1024 dpi					
P/N: 2320000001	Optical Bonding					
P/N : 239SP17002	10pcs x Clips					
P/N: 3080212002	1 x RS232/422/485					
P/N: 3011100020	Waterproof sponge					
Optional HB Panel	TP150P104/106K	TP150R104/106K	TP170P104/106K	TP170R104/106K	TP190P104/106K	TP190R104/106K
Resolution	1024 x 768		1280 x 1024		1280 x 1024	
Color	16.2M		16.7M		16.7M	
Luminance	1000 cd/m ²		1000 cd/m ²		1000 cd/m ²	
Contrast Ratio	2000 : 1		1000 : 1		1000 : 1	
Viewing Angle (H/V)	176°/176°		170°/165°		170°/160°	
Ordering Information						
TP150P104W04128	15" wide temp panel PC, Intel i3 1115GRE, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter		TP150P104K04128	15" wide temp panel PC, Intel i3 1115GRE, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit		
TP150P106W04128	15" wide temp panel PC, Intel i7 1185GRE, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter		TP150P106K04128	15" wide temp panel PC, Intel i7 1185GRE, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter,1000nit		



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TP150R104W04128	15" wide temp panel PC, Intel i3 1115GRE, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	TP150R104K04128	15" wide temp panel PC, Intel i3 1115GRE, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
TP150R106W04128	15" wide temp panel PC, Intel i7 1185GRE, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	TP150R106K04128	15" wide temp panel PC, Intel i7 1185GRE, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
TP170P104W04128	17" wide temp panel PC, Intel i3 1115GRE, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	TP170P104K04128	17" wide temp panel PC, Intel i3 1115GRE, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
TP170P106W04128	17" wide temp panel PC, Intel i7 1185GRE, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	TP170P106K04128	17" wide temp panel PC, Intel i7 1185GRE, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
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TP170R106W04128	17" wide temp panel PC, Intel i7 1185GRE, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	TP170R106K04128	17" wide temp panel PC, Intel i7 1185GRE, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
TP190P104W04128	19" wide temp panel PC, Intel i3 1115GRE, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	TP190P104K04128	19" wide temp panel PC, Intel i3 1115GRE, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
TP190P106W04128	19" wide temp panel PC, Intel i7 1185GRE, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	TP190P106K04128	19" wide temp panel PC, Intel i7 1185GRE, True flat PCT, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit



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TP190R104W04128	19" panel PC, Intel i3 1115GRE, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	TP190R104W04128	19" panel PC, Intel i3 1115GRE, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit
TP190R106W04128	19" panel PC, Intel i7 1185GRE, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	TP190R106W04128	19" panel PC, Intel i7 1185GRE, True flat 5W resistive, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit

**Specifications are subject to change without notice.



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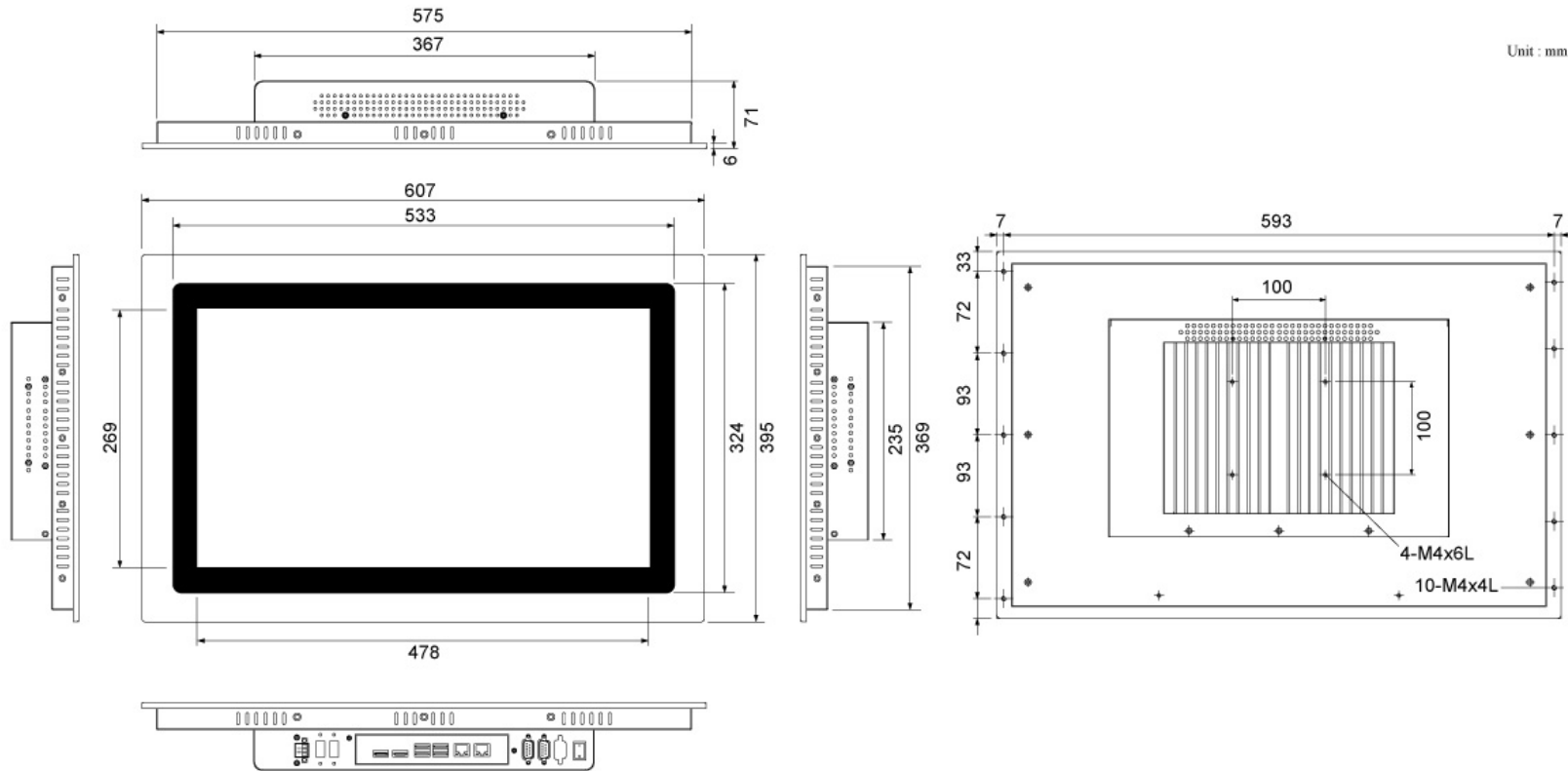
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Dimension

- TP150P104/106W, TP150R104/106W



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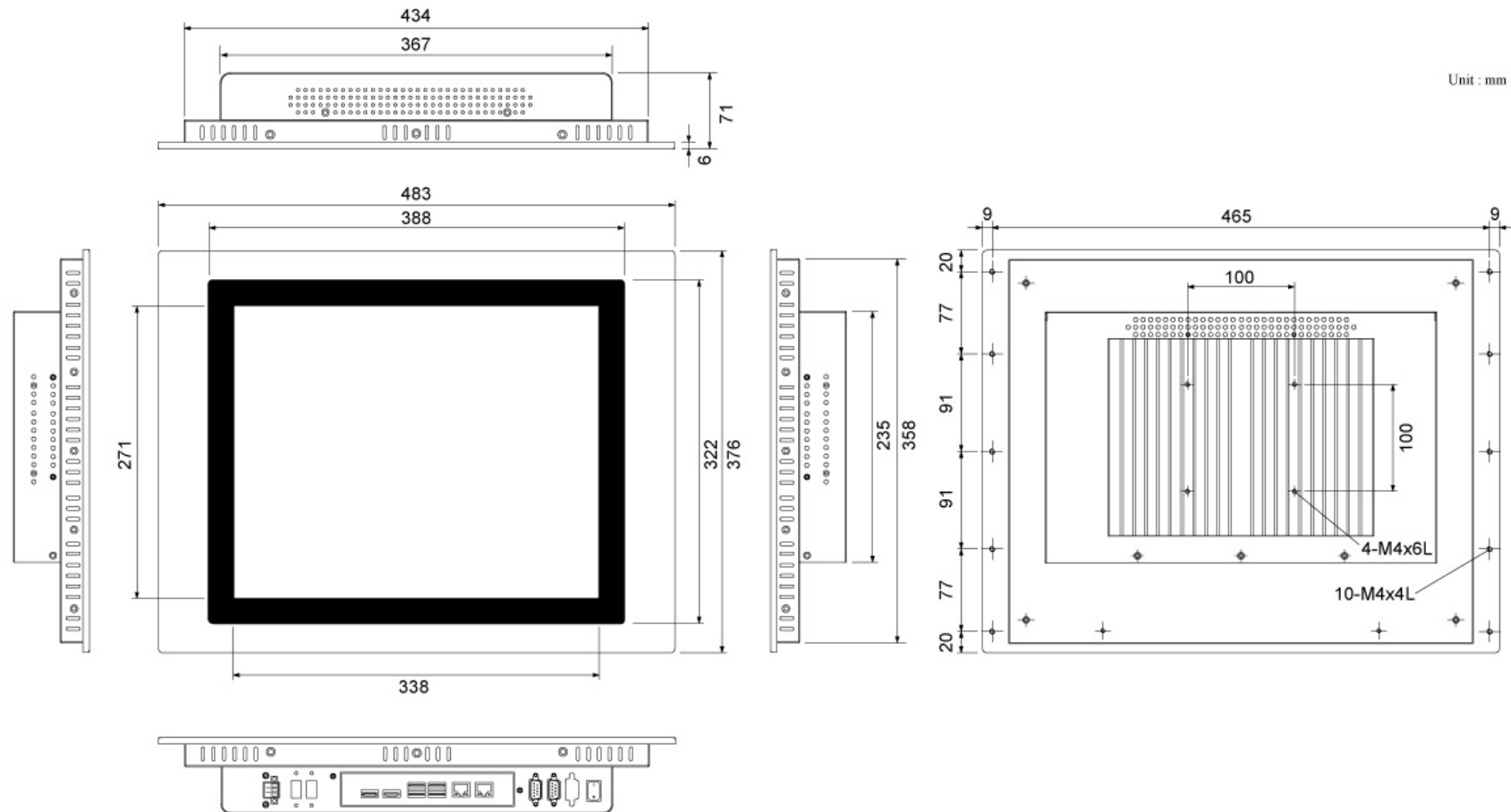
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- TP170P104/106W, TP170R104/106W



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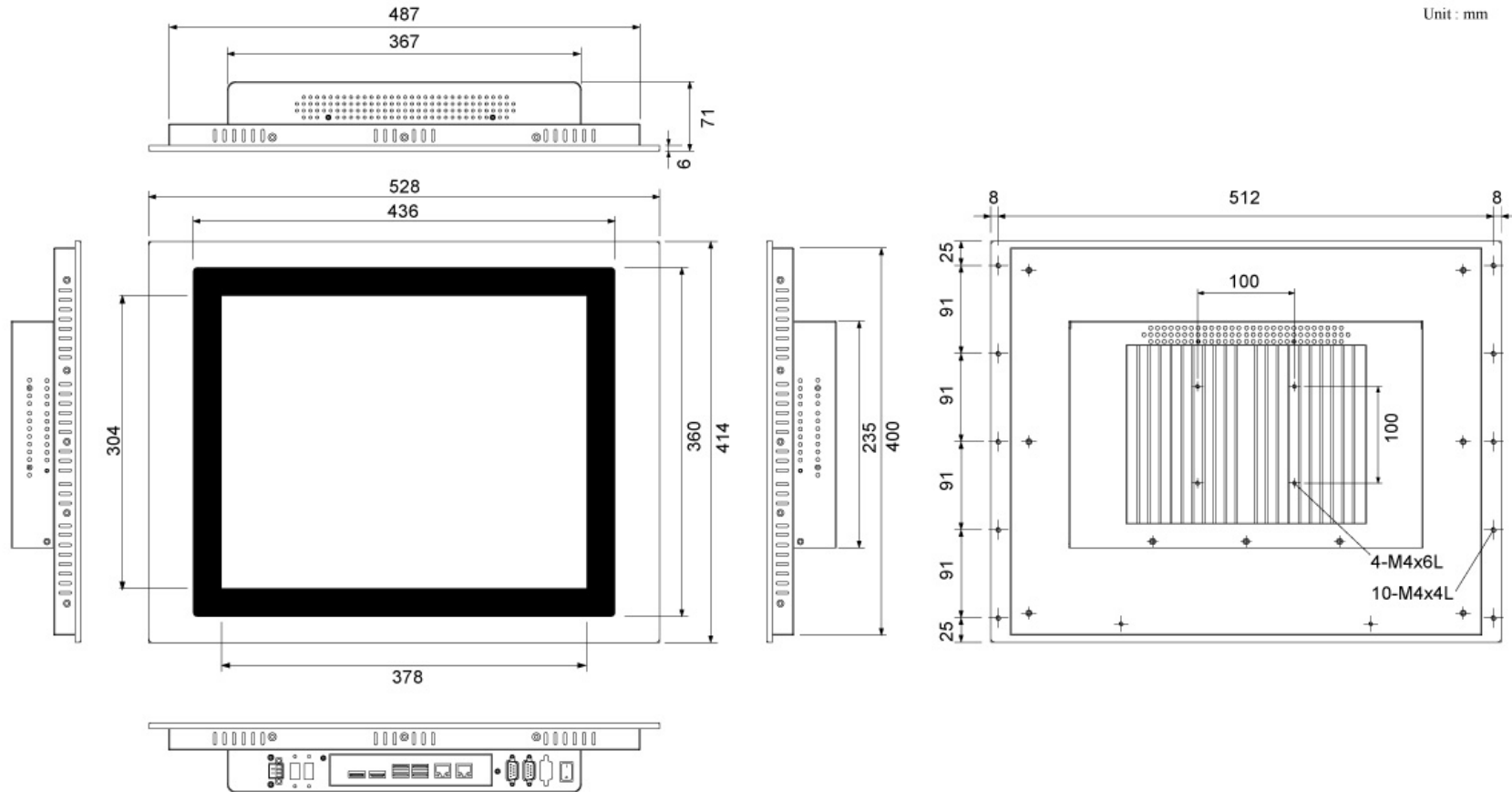
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