

11<sup>th</sup> Gen 15", 17", 19"

Front IP65 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
- 5 Wires Resistive touch solution
- IP65 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.	SP150R103/104/105/106S	SP170R103/104/105/106S	SP190R103/104/105/106S
<b>System</b>			
<b>CPU</b>	11 <sup>th</sup> Gen Intel® Core™ Celeron 6305E(103)/ i3 1115G4E(104)/ i5 1145G7E(105) / i7 1185G7E CPU (On Board)		
<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		
<b>HDMI</b>	1		
<b>DP</b>	1		
<b>USB 3.2</b>	4		
<b>GLAN</b>	2		
<b>GPIO</b>	16 bits ( 8 x GPI , 8 x GPO), 5V , 2 x D- SUB connectors		
<b>Storage</b>			
<b>Storage</b>	1 x SATA 3.0		
<b>Expansion</b>			
<b>M.2</b>	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>			
<b>Power Requirement</b>	3 Pin power terminal block for DC in 12 ~ 24V( OCP & OVP)		
<b>Touch Screen</b>			
<b>Touch Screen</b>	5 Wires Resistive (one touch)		
<b>OS support</b>			
<b>OS support</b>	Win Pro 10 / Window 10 IoT / Linux Kernel 5.4 Ubuntu LTS		
<b>Display</b>			
<b>Size</b>	15" TFT (4:3)	17" TFT (4:3)	19" TFT (4:3)
<b>Resolution</b>	1024 x 768	1280 x 1024	1280 x 1024
<b>Colors</b>	16.2M	16.7M	16.7M
<b>Luminance</b>	400 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>	250 cd/m <sup>2</sup>
<b>Contrast Ratio</b>	700:1	1000:1	1000:1



<b>View Angle (H/V)</b>	160°/160°	140°/170°	170°/160°
<b>Mechanical &amp; Environmental</b>			
<b>Operation Temp.</b>	0 ~ 45°C		
<b>Storage Humidity</b>	10 ~ 90%, non-condensing		
<b>Mounting</b>	VESA mount (100 x 100mm) & Panel mount & Clip mount		
<b>Dimension (WxHxD)</b>	401 x 304 x 70 mm	453 x 352 x 72 mm	487 x 377 x 75 mm
<b>Weight</b>	5.7 kg	6.7 kg	8.7 kg
<b>Optional</b>			
<b>P/N: 2390000003</b>	External antenna ( WIFI )		
<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: 3011100010</b>	Waterproof sponge		
<b>Optional HB Panel</b>	<b>SP150R103/104/105/106J</b>	<b>SP170R103/104/105/106J</b>	<b>SP190R103/104/105/106J</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>SP150R103S04128</b>	15" panel PC, Intel Celeron 6305E, 4GB DDR4 So-DIMM, M.2 128GB SSD. DC in power adapter	<b>SP150R103J04128</b>	15" panel PC, Intel Celeron 6305E, 4GB DDR4 So-DIMM, M.2 128GB SSD. DC in power adapter, 1000nit.
<b>SP150R104S04128</b>	15" panel PC, Intel i3 1115G4E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>SP150R104J04128</b>	15" panel PC, Intel i3 1115G4E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit.
<b>SP150R105S04128</b>	15" panel PC, Intel i5 1145G7E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>SP150R105J04128</b>	15" panel PC, Intel i5 1145G7E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit.
<b>SP150R106S04128</b>	15"panel PC, Intel i7118G7E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>SP150R106J04128</b>	15"panel PC, Intel i7118G7E, 4GB DDR4 So-DIMM, M.2 128GB SSD, DC in power adapter, 1000nit.
<b>SP170R103S04128</b>	17" panel PC, Intel Celeron 6305E, 4GB DDR4 So-DIMM, M.2 128GB SSD. DC in power adapter	<b>SP170R103J04128</b>	17" panel PC, Intel Celeron 6305E, 4GB DDR4 So-DIMM, M.2 128GB SSD. DC in power adapter, 1000nit.
<b>SP170R104S04128</b>	17" panel PC, Intel i3 1115G4E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>SP170R104J04128</b>	17" panel PC, Intel i3 1115G4E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit.
<b>SP170R105S04128</b>	17" panel PC, Intel i5 1145G7E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>SP170R105J04128</b>	17" panel PC, Intel i5 1145G7E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit.
<b>SP170R106S04128</b>	17"panel PC, Intel i7118G7E, 4GB DDR4 So-DIMM.,M.2 128GB SSD, DC in power adapter	<b>SP170R106J04128</b>	17"panel PC, Intel i7118G7E, 4GB DDR4 So-DIMM, TLC mSATA128GB SSD, DC in power adapter, 1000nit.
<b>SP190R103S04128</b>	19" panel PC, Intel Celeron 6305E, 4GB DDR4 So-DIMM, M.2 128GB SSD. DC in power adapter	<b>SP190R103J04128</b>	19" panel PC, Intel Celeron 6305E, 4GB DDR4 So-DIMM, M.2 128GB SSD. DC in power adapter, 1000nit.
<b>SP190R104S04128</b>	19" panel PC, Intel i3 1115G4E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>SP190R104J04128</b>	19" panel PC, Intel i3 1115G4E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit.
<b>SP190R105S04128</b>	19" panel PC, Intel i5 1145G7E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>SP190R105J04128</b>	19" panel PC, Intel i5 1145G7E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit.



**Kingdy Technology Inc.**

No. 8, Ln. 25, Zhongban Rd., Zhonghe Dist., New Taipei City 23556, Taiwan

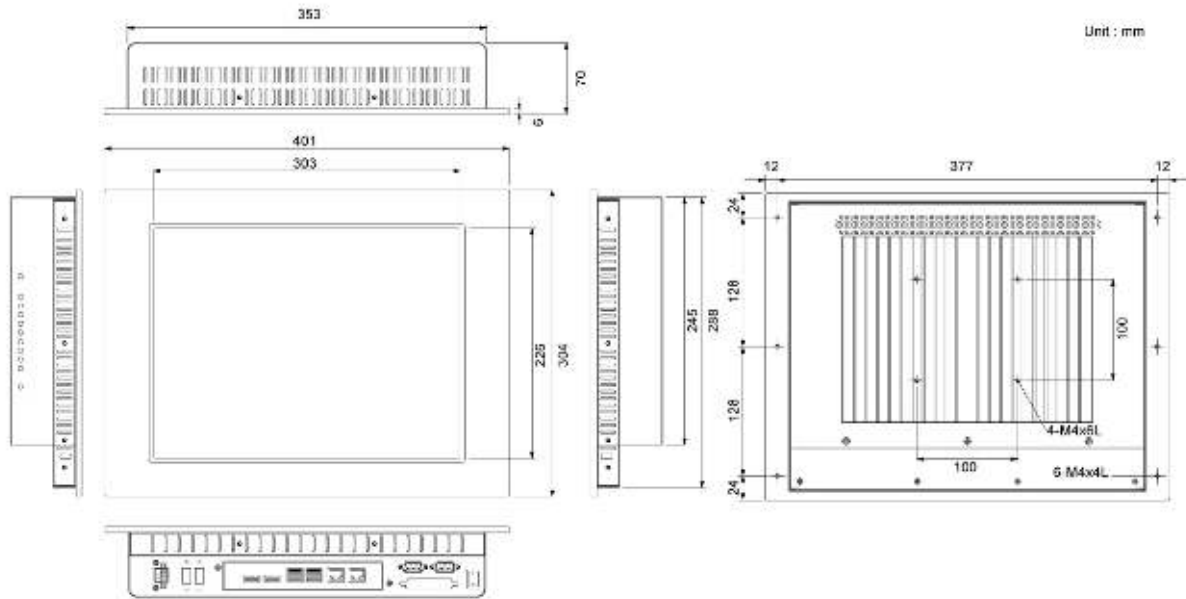
Tel : +886-2-3234-6288 Fax : +886-2-3234-3199 E-mail : [sales@kingdy.com.tw](mailto:sales@kingdy.com.tw) [www.kingdy.com.tw](http://www.kingdy.com.tw)



<b>SP190R106S04128</b>	19"panel PC, Intel i7118G7E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter	<b>SP190R106J04128</b>	19"panel PC, Intel i7118G7E, 4GB DDR4 So-DIMM., M.2 128GB SSD, DC in power adapter, 1000nit.
**Specifications are subject to change without notice.			

## Dimension

- SP150R103/104/105/106S



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No. 8, Ln. 25, Zhongban Rd., Zhonghe Dist., New Taipei City 23556, Taiwan

Tel : +886-2-3234-6288

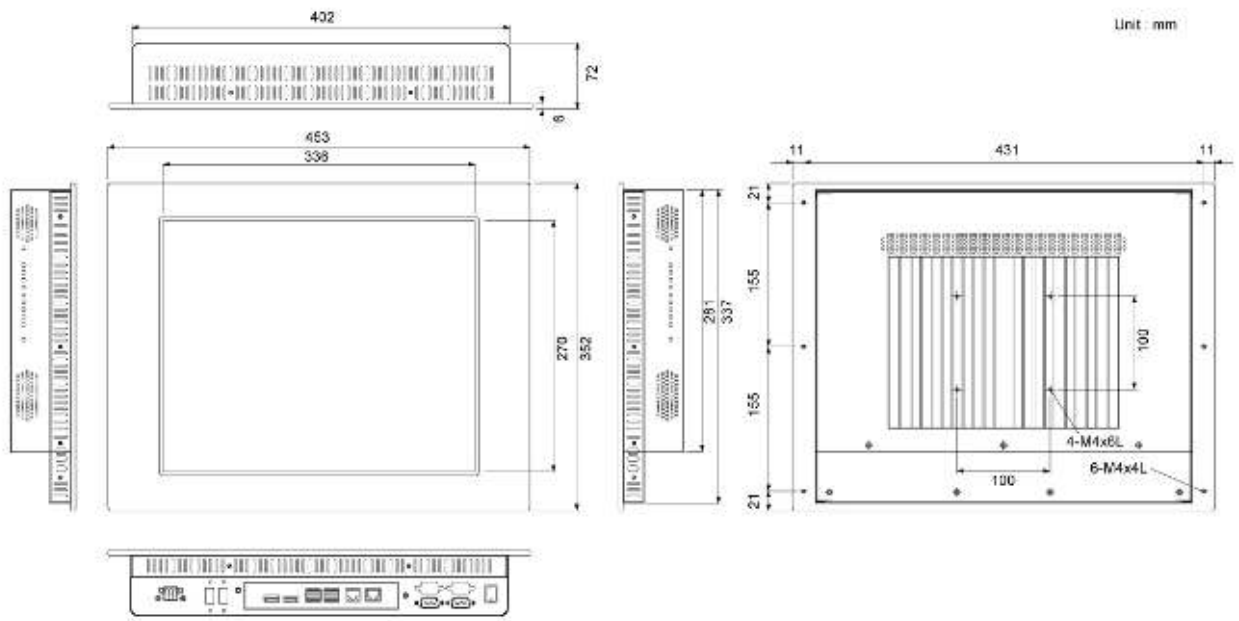
Fax : +886-2-3234-3199

E-mail : [sales@kingdy.com.tw](mailto:sales@kingdy.com.tw)

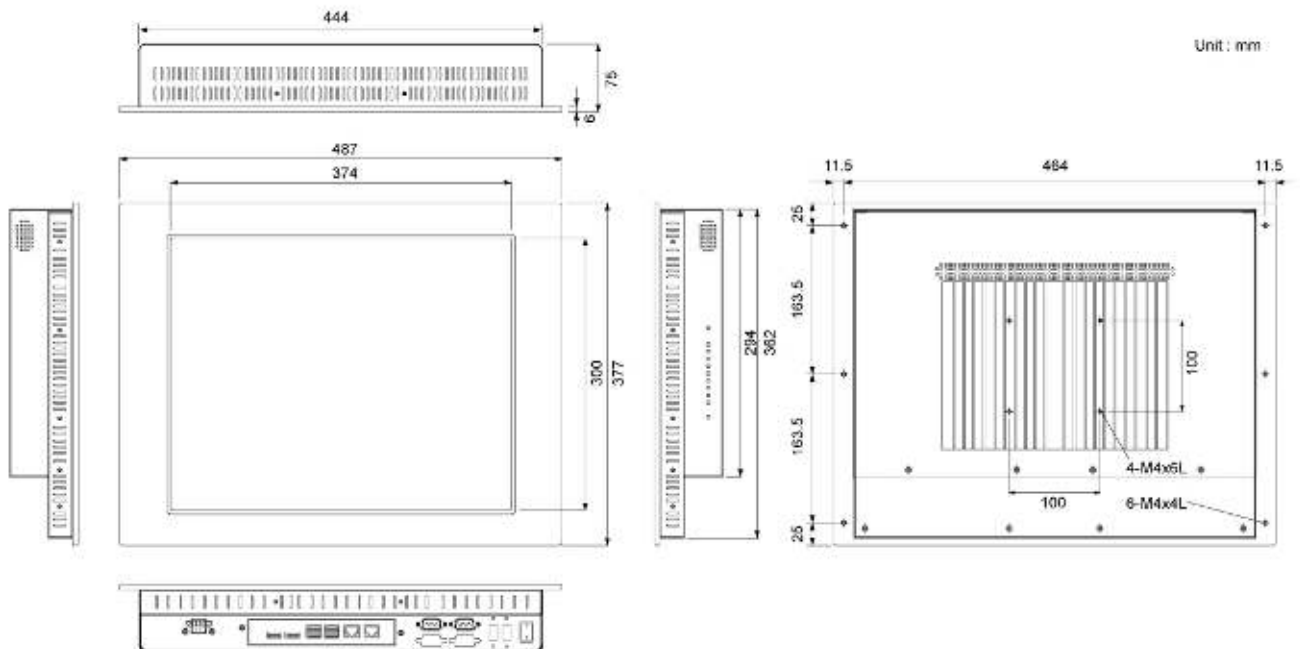
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● SP170R103/104/105/106S



● SP190R103/104/105/106S



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No. 8, Ln. 25, Zhongban Rd., Zhonghe Dist., New Taipei City 23556, Taiwan

Tel : +886-2-3234-6288 Fax : +886-2-3234-3199 E-mail : [sales@kingdy.com.tw](mailto:sales@kingdy.com.tw) [www.kingdy.com.tw](http://www.kingdy.com.tw)

