



MODEL. QY-P5000 Series

Fanless Design Industrial Panel PC



Introduction

QY-P5000 Series Industrial Panel PC เป็นคอมพิวเตอร์อุตสาหกรรมแบบอลูมิเนียมที่ทรงพลังและมีประสิทธิภาพสูง ออกแบบมาเพื่อรองรับการใช้งานในสภาพแวดล้อมอุตสาหกรรมโดยเฉพาะ ซีรีส์นี้มาพร้อมการออกแบบแบบโมดูลาร์ และมีขนาดหน้าจอให้เลือกตั้งแต่ 10.4 นิ้ว ไปจนถึง 32 นิ้ว รองรับทั้งหน้าจอแบบสัมผัสและจอกว้าง เพื่อตอบสนองความต้องการที่หลากหลายของอุตสาหกรรมและการประยุกต์ใช้งานต่าง ๆ มอบความยืดหยุ่น ความน่าเชื่อถือ และประสิทธิภาพการทำงานที่ยอดเยี่ยม



Specification

Mother Board Specification

MODEL	QY-P5000 Series		
Size	10.4-32.0 inch		
CPU	J1900 i3-4010U i5-4260U i7-4650U	J6412 i3-7100U/8130U/10110U i5-7200U/8250U/10310U i7-7500U/8550U/10710U	N95 / N100 i3-1115G4/1215U/1315U i5-1135G7/1235U/1335U i7-1195G7/1255U/1270P/1355U
Memory	2*DDR3 RAM Slots Up to 16GB	2*DDR4 RAM Slots Up to 32GB	2*DDR4 RAM Slots Up to 64GB
Storage	1*MSATA SSD Slot	1*M.2 NVME SSD Slot	
	1*SATA SSD Slot		
Display	1*HDMI: Resolution up to 4096*2106@60Hz 1*VGA: Resolution up to 1920*1200@60Hz		
Expansion	2*Mini PCIE Slots	1*M.2 and 1*Mini PCIE Slots	2*M.2 Slots
	Support 4G and WIFI module	Support 4G/5G and WIFI module	Support 4G/5G and WIFI module
Ethernet	2*RTL8211F LAN Chip (10 / 100 / 1000 Mbps, RJ-45 Type)		
USB	4*USB 3.0 (Type-A)		
COM	1*RS-232+1*RS-485 / 232 (DB9 Type) Support optional 6*COM ports (Phoenix Terminal Type)		
Audio	1* Microphone + 1*Speaker		

Note:

[1] The maximum memory capacity and the maximum capacity per strip supported by this motherboard depend on the CPU.

[2] The maximum resolution and frame rate of the display interface output depends on the CPU.

If you need other specifications, please refer to [P5000 Series Optional Specifications List].



Screen Specification

MODEL	Screen Size	Resolution	Brightness	Contrast	Largest Colorful	Touch Screen Type	Light Transmittance	Touch Life
QY-P8104	10.4 inch	1024x768	350nits 1000nit (Option)	800:1	16M	Capacitive	More than 95%	50 million times
						Resistive		35 million times
QY-P8121	12.1 inch	1024x768				Capacitive		50 million times
						Resistive		35 million times
QY-P8133	13.3 inch	1920x1080				Capacitive		50 million times
						Resistive		35 million times
QY-P8150	15.0 inch	1024x768				Capacitive		50 million times
						Resistive		35 million times
QY-P8156	15.6 inch	1920x1080				Capacitive		50 million times
						Resistive		35 million times
QY-P8170	17.0 inch	1280x1024				Capacitive		50 million times
						Resistive		35 million times
QY-P8173	17.3 inch	1920x1080				Capacitive		50 million times
						Resistive		35 million times
QY-P8185	18.5 inch	1366x768				Capacitive		50 million times
						Resistive		35 million times
QY-P8190	19.0 inch	1280x1024				Capacitive		50 million times
						Resistive		35 million times
QY-P8215	21.5 inch	1920x1080				Capacitive		50 million times
						Resistive		35 million times
QY-P8238	23.8 inch	1920x1080				Capacitive		50 million times
QY-P8270	27.0 inch	1920x1080				Capacitive		50 million times
QY-P8320	32.0 inch	1920x1080				Capacitive		50 million times

Note:

[1] Response Time : <5ms

[2] Protection : Front Panel IP65 Water Proof

[3] Touch Hardness : 6 Mohs



Device Specification

MODEL	Power Input			Installation			Size
	DC 12V (DC 9-36V)	Support Auto-Start	1*2.5mm circle type DC	Desktop	Embedded	Wall Mount	
QY-P5104	DC 12V (DC 9-36V)	✓	✓	✓	✓	✓	271.5mm*218mm*56mm
QY-P5121	DC 12V (DC 9-36V)	✓	✓	✓	✓	✓	298.3mm*238.3mm*57mm
QY-P5133	DC 12V (DC 9-36V)	✓	✓	✓	✓	✓	343.5mm*214mm*57mm
QY-P5150	DC 12V (DC 9-36V)	✓	✓	✓	✓	✓	370mm*290mm*57mm
QY-P5156	DC 12V (DC 9-36V)	✓	✓	✓	✓	✓	390mm*247.6mm*57mm
QY-P5170	DC 12V (DC 9-36V)	✓	✓	✓	✓	✓	400mm*333mm*57mm
QY-P5173	DC 12V (DC 9-36V)	✓	✓	✓	✓	✓	435mm*265.5mm*60mm
QY-P5185	DC 12V (DC 9-36V)	✓	✓	✓	✓	✓	463.5mm*287.5mm*57mm
QY-P5190	DC 12V (DC 9-36V)	✓	✓	✓	✓	✓	435.5mm*360.5mm*57mm
QY-P5215	DC 12V (DC 9-36V)	✓	✓	✓	✓	✓	531mm*327mm*57mm
QY-P5238	DC 12V (DC 9-36V)	✓	✓	✓	✓	✓	584mm*355.5mm*57mm
QY-P5270	DC 12V (DC 9-36V)	✓	✓	✓	✗	✓	652mm*390mm*64.8mm
QY-P5320	DC 12V (DC 9-36V)	✓	✓	✓	✗	✓	749.2mm*446.7mm*64.8mm

Note:

- [1] Working Temperature : -20°C - 70°C, Support 24/7 Working
- [2] Storage Temperature : -30°C - 70°C
- [3] Humidity : 90% (20±50°C)
- [4] Structure : Fully Enclosed Aluminum Alloy Material
- [5] Heat Dissipation : Fanless Design, Conduction Heat Dissipation
- [6] OS : Windows and Linux



Optional Specification

Screen	Brightness	Optional 1000 nits LED screen
		Optional brightness auto adjustment function
	Anti-Glare	Optional
	Camera	Optional 200w or 500w camera (Built-in front panel)
	Full Lamination	Optional

Ordering Information

MODEL	QY-P5000 Series						
Size	10.4-32.0 inch						
CPU	J1900	4th	J6412	7th / 8th	10th	N95 / N100	11th / 12th / 13th
LAN	2						
USB	4						
COM	1*RS-232/485 + 1*RS-232						
RAM	1*DDR 3 Up to 8GB	2*DDR 3 Up to 16GB	2*DDR 4 Up to 32GB	2*DDR 4 Up to 32GB	2*DDR 4 Up to 64GB	1*DDR 4 Up to 16GB	2*DDR 4 Up to 64GB
SSD	1*MSATA 1*SATA			1*M.2 NVME 1*SATA			
Expansion	1*Mini PCIE	2*Mini PCIE		1*Mini PCIE 1*M.2		2*M.2	
Power	DC 12V						

Package

Adapter	Low than 8th CPU: 1*12V 5A adapter More than 8th CPU: 1*12V 7A adapter
Power Cable	1*Power Cable
Antenna	The antenna use for WIFI module
Terminal	1*2 pin phoenix terminal



CPU Information

CPU	Core	Threads	Frequency	Cache	Graphics
N95	4	4	3.40GHz	6 MB	UHD Graphics
N100	4	4	3.40GHz	6 MB	UHD Graphics
J1900	4	4	2.00-2.42GHz	2MB	HD Graphics
J6412	4	4	2.00-2.60GHz	1.5 MB	UHD Graphics
i3-4010U	2	4	1.70GHz	3 MB	HD Graphics 4400
i5-4260U	2	4	1.40-2.70GHz	3 MB	HD Graphics 5000
i7-4650U	2	4	1.70-3.30GHz	4 MB	HD Graphics 5000
i3-7100U	2	4	2.40GHz	3 MB	HD Graphics 620
i5-7200U	2	4	2.50-3.10GHz	3 MB	HD Graphics 620
i7-7500U	2	4	2.70-3.50GHz	4 MB	HD Graphics 620
i3-8130U	2	4	2.20-3.40GHz	4 MB	UHD Graphics 620
i5-8250U	4	8	1.60-3.40GHz	6 MB	UHD Graphics 620
i7-8550U	4	8	1.80-4.00GHz	8 MB	UHD Graphics 620
i3-10110U	2	4	2.10-4.10GHz	4 MB	UHD Graphics
i5-10310U	4	8	1.70-4.40GHz	6 MB	UHD Graphics
i7-10710U	6	12	1.10-4.70GHz	12 MB	UHD Graphics
i3-1115G4	2	4	3.00-4.10GHz	6 MB	UHD Graphics
i5-1135G7	4	8	2.40-4.20GHz	8 MB	Iris Xe Graphics
i7-1165G7	4	8	2.80-4.70GHz	12 MB	Iris Xe Graphics
i3-1215U	6	8	1.20-4.40GHz	10 MB	UHD Graphics
i5-1235U	10	12	1.30-4.40GHz	12 MB	Iris Xe Graphics
i7-1255U	10	12	1.70-4.70GHz	12 MB	Iris Xe Graphics
i7-1270P	12	16	2.20-4.80GHz	18 MB	Iris Xe Graphics



CPU	Core	Threads	Frequency	Cache	Graphics
i3-1315U	6	8	1.20-4.50GHz	10 MB	UHD Graphics
i5-1335U	10	12	1.30-4.60GHz	12 MB	Iris Xe Graphics
i7-1355U	10	12	1.70-5.00GHz	12 MB	Iris Xe Graphics

System Information

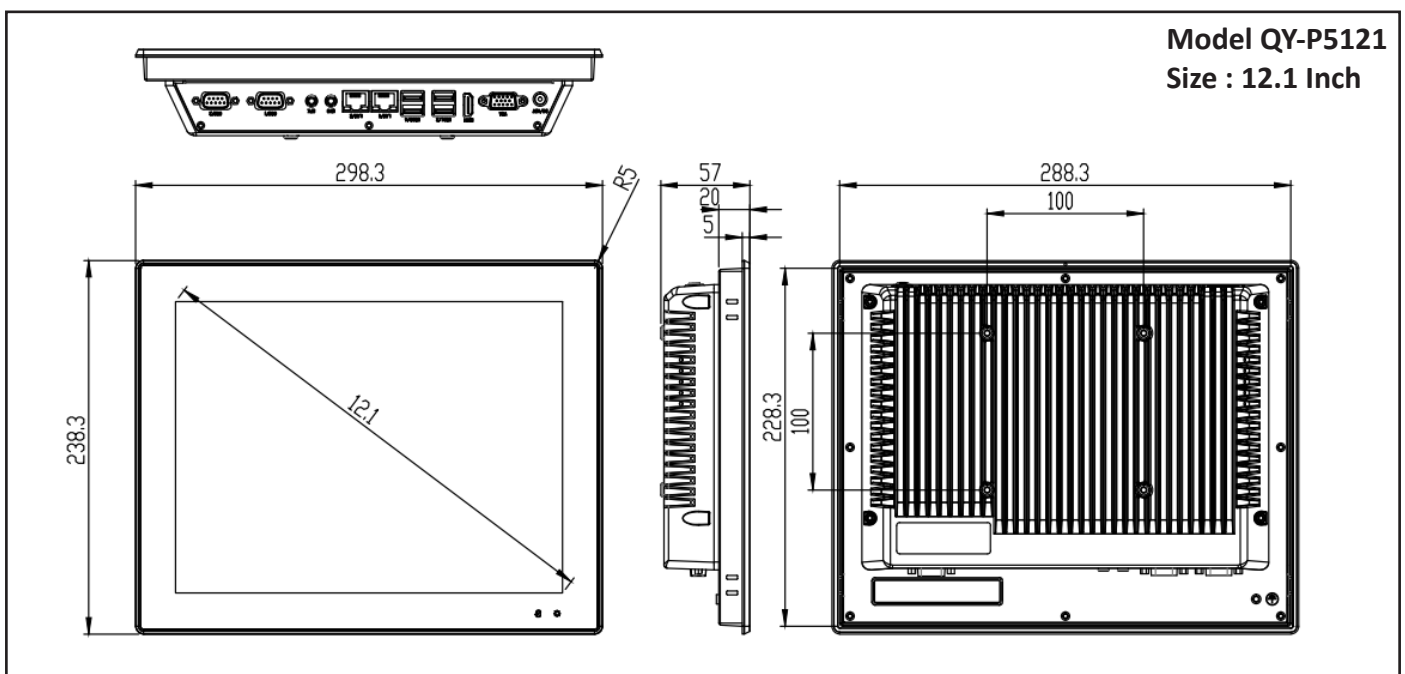
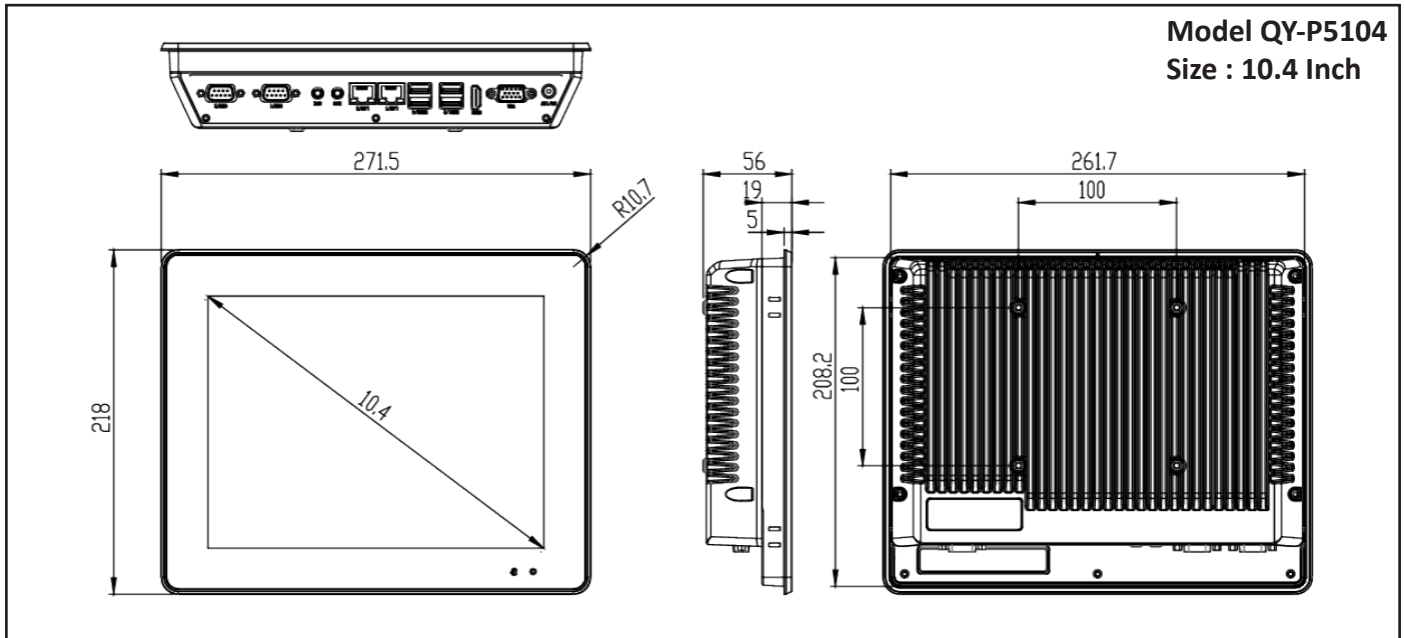
CPU	Specification
J1900	Windows 7 / 10 and Linux
4th / 7th	
J6412 / N95 / N100	Windows 10 / 11 and Linux
8th / 10th / 11th / 12th / 13th	

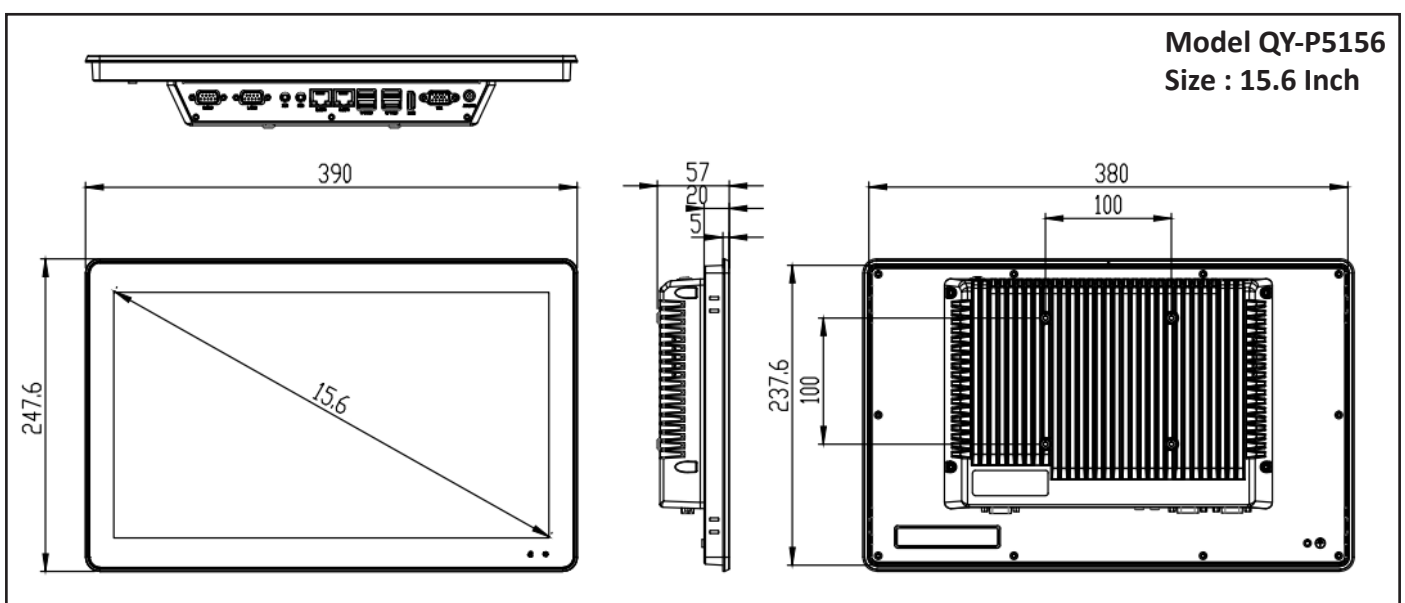
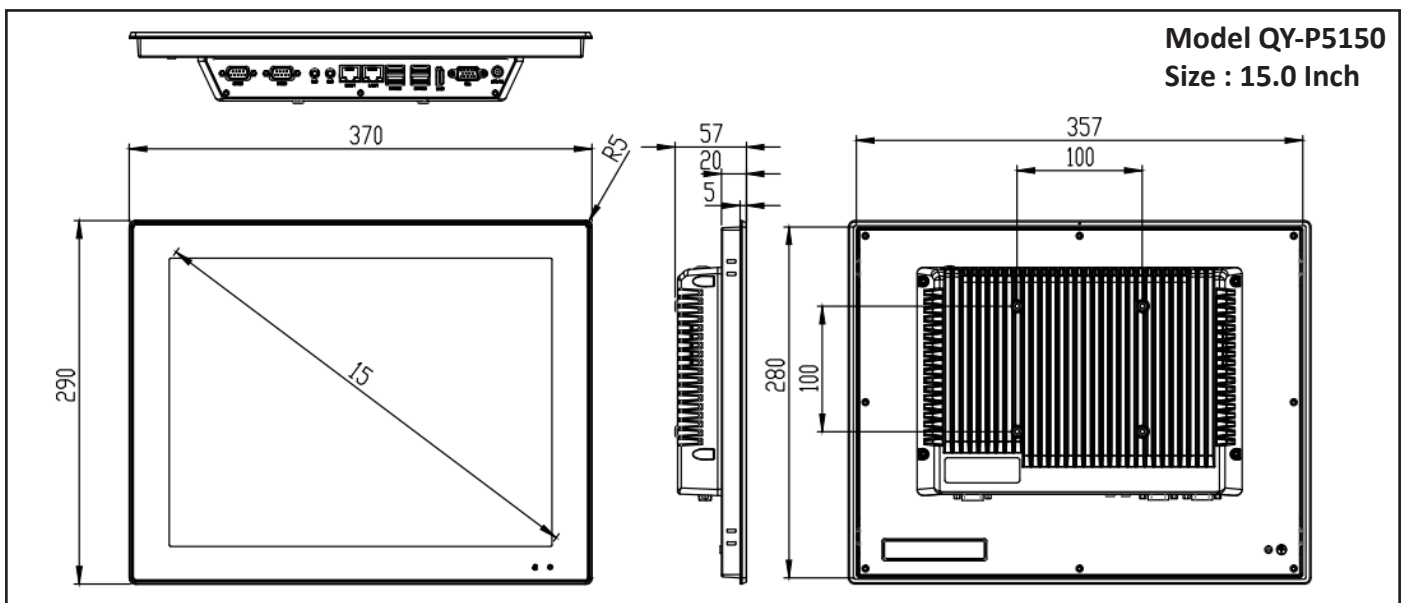
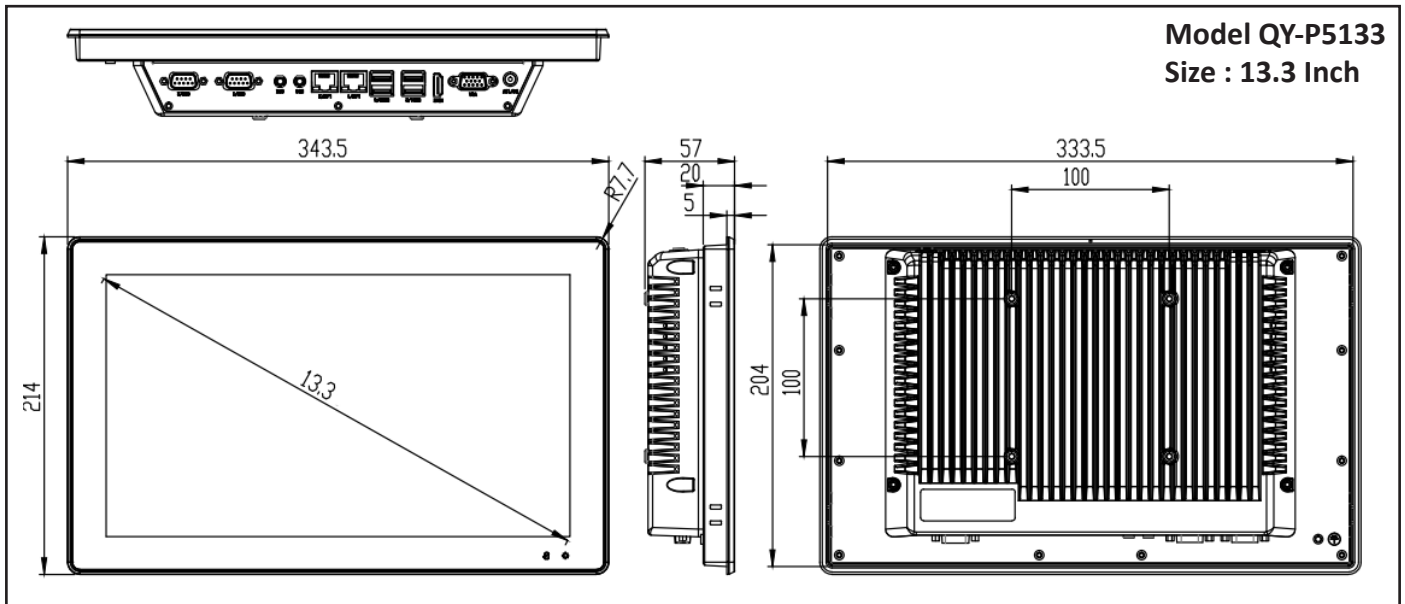
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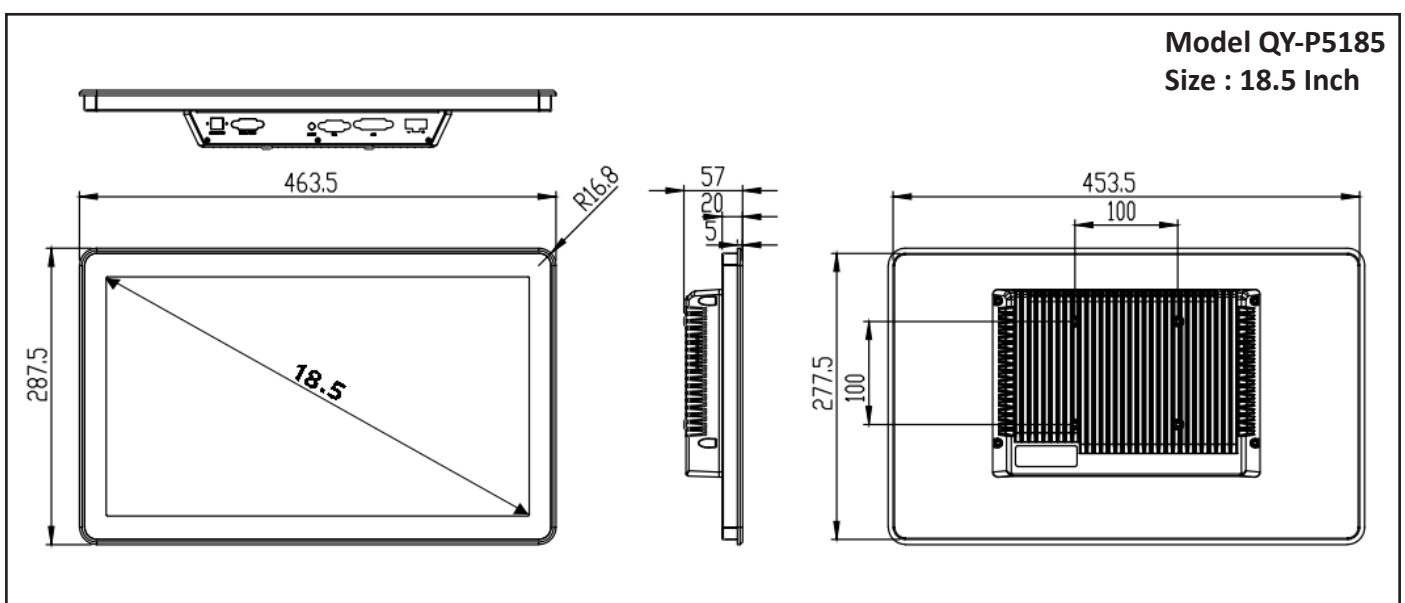
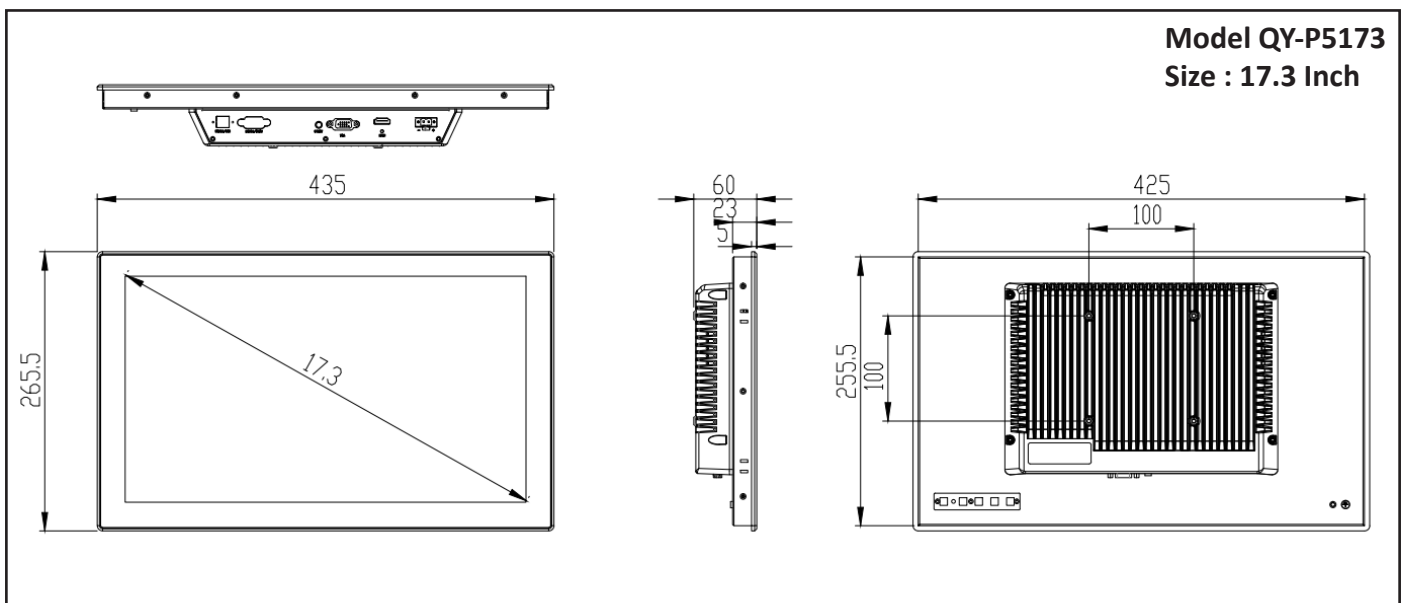
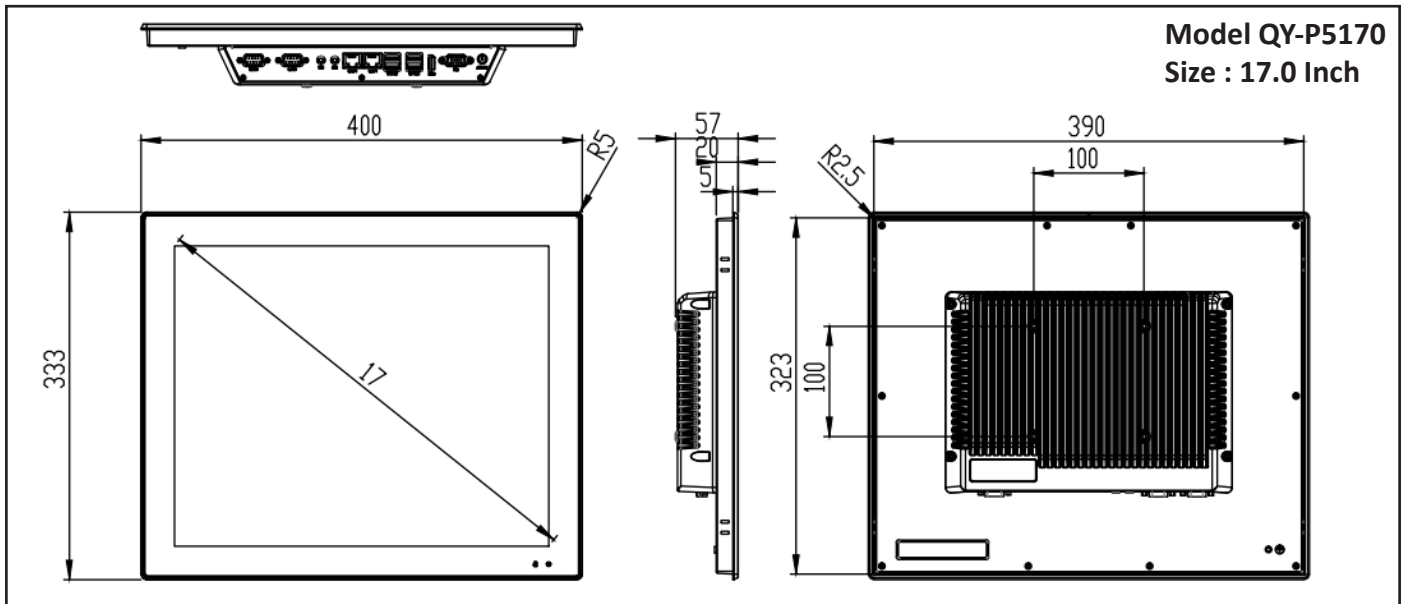
RAM	DDR3	4GB / 8GB / 16GB
	DDR4	4GB / 8GB / 16GB / 32GB / 64GB
Storage	M.2 NVME	128GB / 256GB / 512GB / 1TB / 2TB / 4TB
	MSATA	32GB / 64GB / 128GB / 256GB / 512GB / 1TB
	SATA	120GB / 128GB / 240GB / 256GB / 480GB / 512GB / 960GB / 1TB / 2TB / 4TB
GSM Module	4G	4G+GPS function
	5G	5G+GPS function
WIFI Module	7260an / 7260ac / AX210	
Wide Voltage Power Module	DC 9-36V	

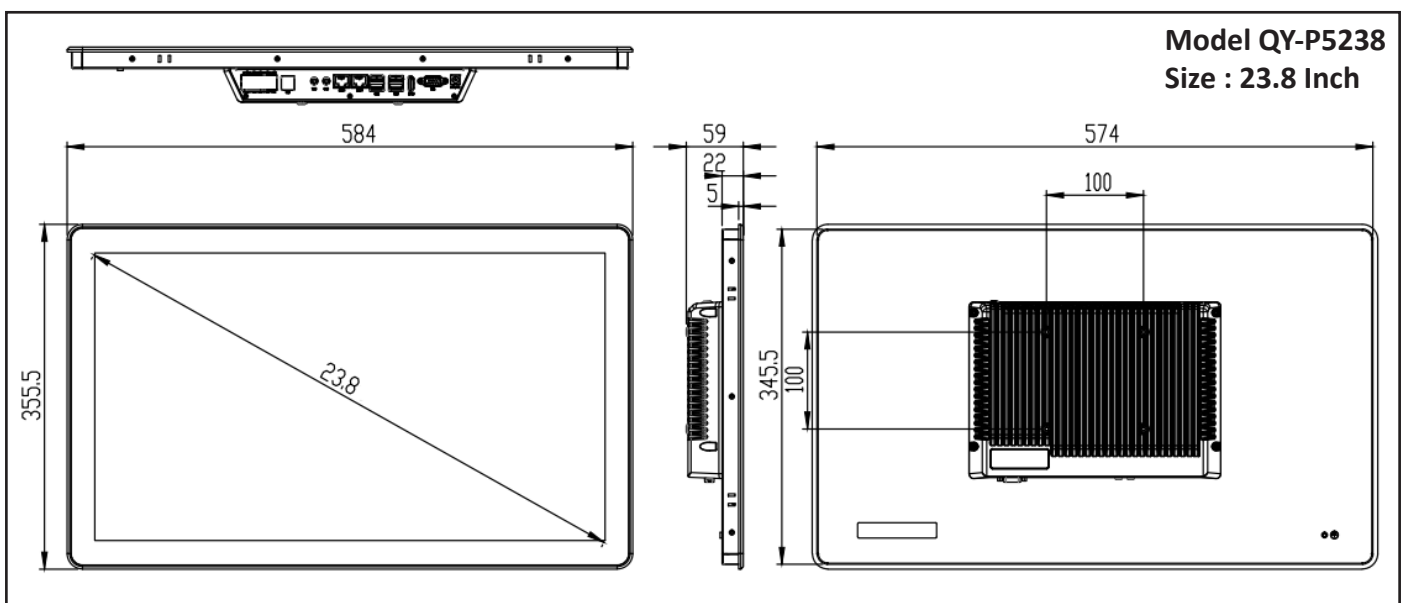
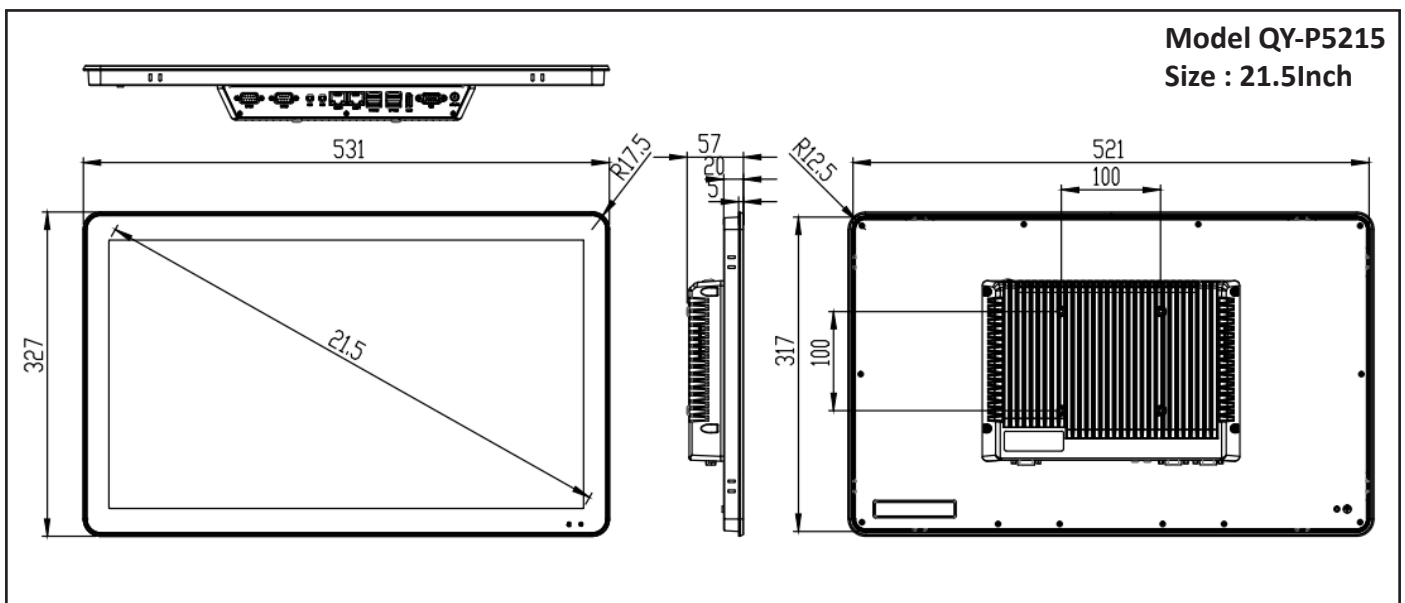
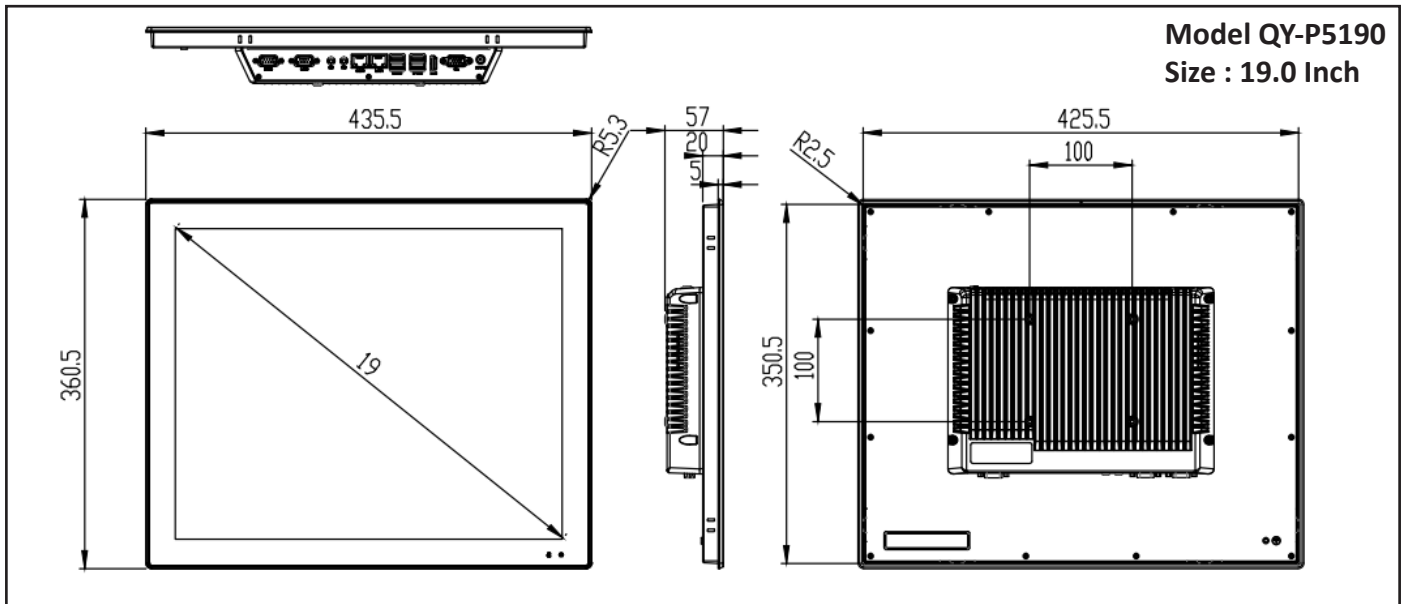


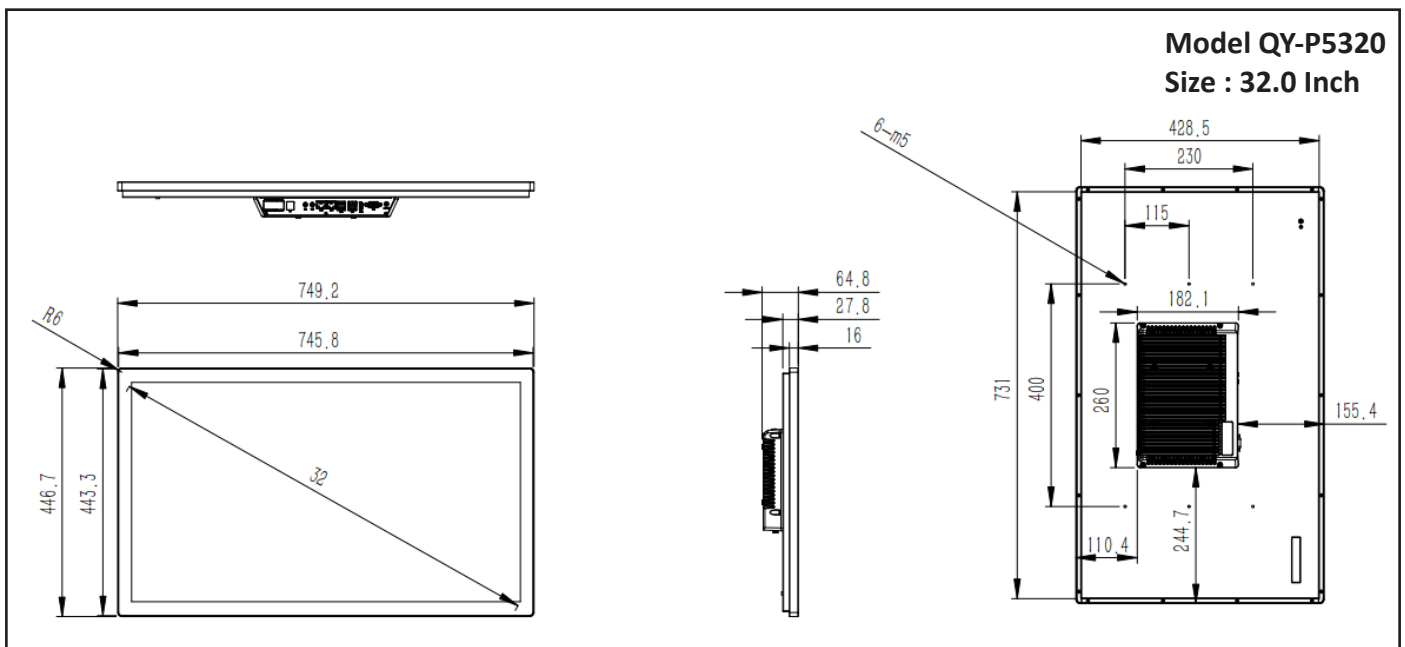
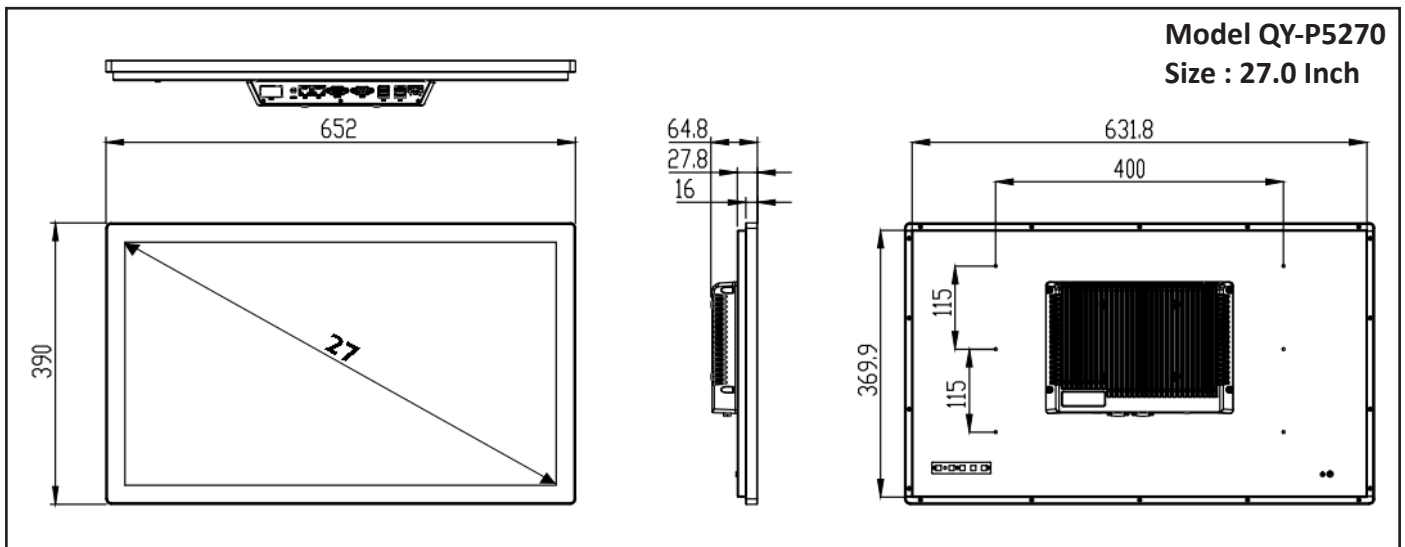
Dimensions











Applications



Industrial Factory



Industrial Robot



Self-Service Systems

