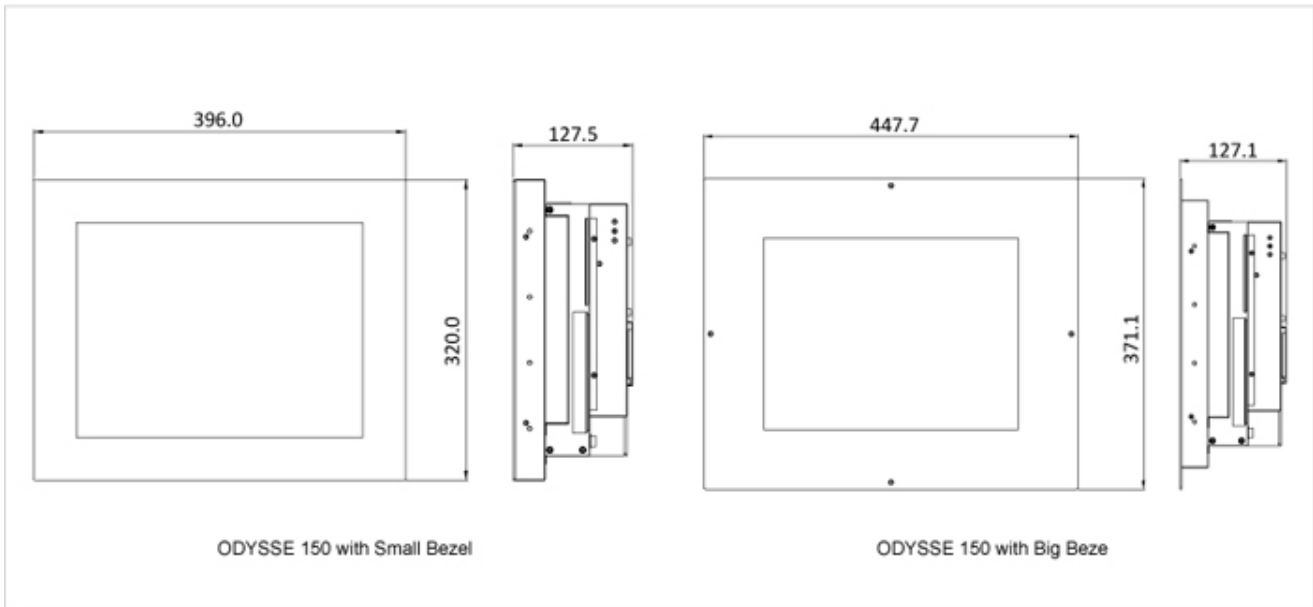


Processor System	CPU (Socket FCLGA1155)	Intel® i7-3770S	Intel® i5-3470S	Intel® I3-2120	Intel® Celeron® G1620
	Frequency	3.1GHz	2.9GHz	3.3GHz	2.7GHz
	L3 Cache	8M	6M	3M	2M
	Main Board	PC79			
	System Chipset	Intel® BD82Q77 FCBGA942			
Memory	BIOS	AMI 64-Mbit SPI Flash BIOS			
	Technology	DDR3 1333/1600 MHz		DDR3 1333/1066 MHz	
	Max. Capacity	16 GB			
	Socket	2 x 240-pin DIMM			
	Internal Display 12"	Panel Size	12.1"		
Resolution		800x600			
Viewing Angle		Right : 80 / Left : 80 / Upper : 65 / Lower : 75 degree			
Brightness		450 cd/m ²			
Color Support		16.2M/262K Color			
Contrast Ratio		700			
Internal Display 15"	Response Time	35ms (Rising : 25 ms / Falling : 10 ms)			
	Panel Size	15.0"			
	Resolution	1024x768			
	Viewing Angle	Horizontal : 80 / Vertical : 70 degree			
	Brightness	250 cd/m ²			
	Color Support	16194277/262144 Color			
Internal Display 17"	Contrast Ratio	700			
	Response Time	16ms (Rising : 5 ms / Falling : 11 ms)			
	Panel Size	17.0"			
	Resolution	1280x1024			
	Viewing Angle	Horizontal : 85 / Vertical : 80 degree			
	Brightness	380 cd/m ²			
Internal Display 19"	Color Support	16.7M			
	Contrast Ratio	1000			
	Response Time	5 ms (Rising : 3.5 ms / Falling : 1.5 ms)			
	Panel Size	19.0"			
	Resolution	1280x1024			
	Viewing Angle	Horizontal : 85 / Vertical : 80 degree			
External Display	Brightness	350 cd/m ²			
	Color Support	16.7M			
	Contrast Ratio	1000			
Touchscreen 12"	Response Time	5 ms (Rising : 3.6 ms / Falling : 1.4 ms)			
	Digital Display	1920 x 1200, Max. data rate up to 1.65 Gb/s			
	CRT	Max. resolution up to 2048 x 1536 true color			
	Touchscreen Type	5 Wire Resistive			
Touchscreen 12"	Surface Hardness	3H Pencil ,Pressure 1N/45°			
	Durability	35000000 times			
	Transparency	80% (±5%)			
	Touchscreen				

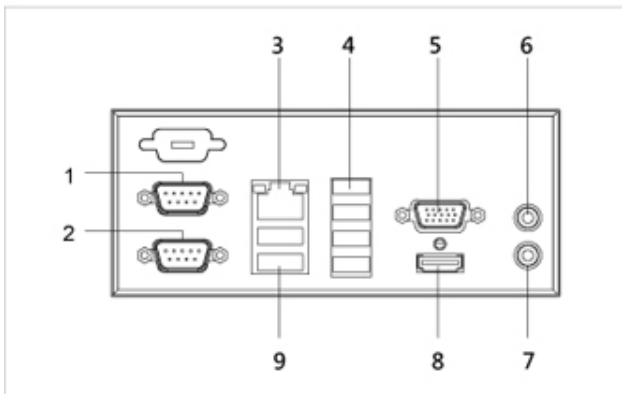


Touchscreen 15"	Type	5 Wire Resistive
	Surface Hardness	3H Pencil ,Pressure 1N/45°
	Durability	10000000 times
	Transparency	80% (±3%)
Touchscreen 17"	Touchscreen Type	5 Wire Resistive
	Surface Hardness	3H Pencil ,Pressure 1N/45°
	Durability	10000000 times
	Transparency	80% (±3%)
Touchscreen 19"	Touchscreen Type	5 Wire Resistive
	Surface Hardness	3H Pencil ,Pressure 1N/45°
	Durability	35000000 times
	Transparency	80% (±5%)
I/O Interface	USB	USB 3.0 x 2 ; USB 2.0 x 4
	Serial Port	COM 1 : RS-232 ; COM2 : Default RS-232; Optional: RS-422/485
	ESATA	PCI Slot x 2
Ethernet	Speed	10/100/1000 Mbps
	Controller	Realtek RTL8111E-VC-CG
	Connector	RJ45 x 1
Audio	Chipset	Realtek ALC662-GR
	Speaker	Internal: Speaker 8Ω/2W x2 External: Speaker out x1, Mic in x1
Storage	HDD	Supports one 2.5" SATA HDD
	DVD (Optional)	Supports one Slim DV
MSR (Optional)	MSR220HK	Reference Standards : ISO 7810 ,7811
		Recording Method : Two-frequency coherent phase(F2F)
		Decoding Method : ISO : Ttrack1-IATA , Track2-ABA , Track3-THRIFT
		Card Swiping Direction : Bi-Direction
Wifi (Optional)	RTL8188CUS-SC5x	802.11n 1T1R Solution for 2.4G Hz band
Power	Power Type	Adapter 120W/19V FSP120-AA
	Power Input	DC 19V
	Battery	Lithium 3 V / 220 mAH

Dimensions



Fully-Integrated I/O



- | | |
|---------------|--------------------|
| 1. COM2 | 6. Speaker out |
| 2. COM1 | 7. MIC in |
| 3. LAN | 8. Digital Display |
| 4. USB 2.0 x4 | 9. USB 3.0 x2 |
| 5. VGA | |



Industrial Panel PC
with Big Bezel



Industrial Panel PC
with Aluminum Bezel



Industrial Panel PC
with Small Bezel

Option



MSR



Wifi