

TY190-GSXXY

19" Intel® Core™ 3-14th i3/i5/i7 & N97/N100 Processor
Industrial Panel PC

Features:

- 19" Intel® Processor Core™ 3-14th Gen i3/i5/i7 & N-series N97/N100
 - Industrial display screen, multi point capacitive touch screen
 - 2*SO-DIMM DDR4
 - 2*USB 3.0+2*USB 2.0
 - 1*RS232
- Optional additional 3*RS232/485/422 on TOP(Max 2*RS485 or 1*RS485+1*RS422)
- 1*HD/1*VGA/2*RJ45/2*Audio
 - Fanless design

Specifications:

System Hardware

CPU	Intel® Processor Core™ 3-14th Gen i3/i5/i7 & N-series N97/N100	Memory	2*SO-DIMM DDR4
Watchdog	0-255 seconds/grading implemented through system software	Storage	MSATA/ M.2 2280 SATA/NVME SSD (optional 128/256/512GB/1T/2T/4T)

Display

LCD Type	19"	Luminance	300 cd/m ²
Max. Resolution	1440*900	Contrast Ratio	1000: 1
Touchscreen Type	19" Multi point capacitive touch screen		

OS

OS	Windows 10/11、 Ubuntu
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I/O Ports

USB	2*USB3.0, 2*USB2.0 (Optinoal more USBs)	Audio	1*Line out, 1*MIC in
Serial port	1*RS232	Video	1*HDMI, 1*VGA
	Optional additional 3*RS232/485/422 on TOP (Max 2*RS485 or 1*RS485+1*RS422)	Expansion Slot	Optional dual band WIFI/BT, Optional 4G/5G communication
LAN	2*1Gbe RJ45	SIM Card	Optional with 4G/5G
GPIO	Customizable		

Power

Power Input Standard Phoenix terminal(**Optional** Auto power on & 9-36V wide voltage input)

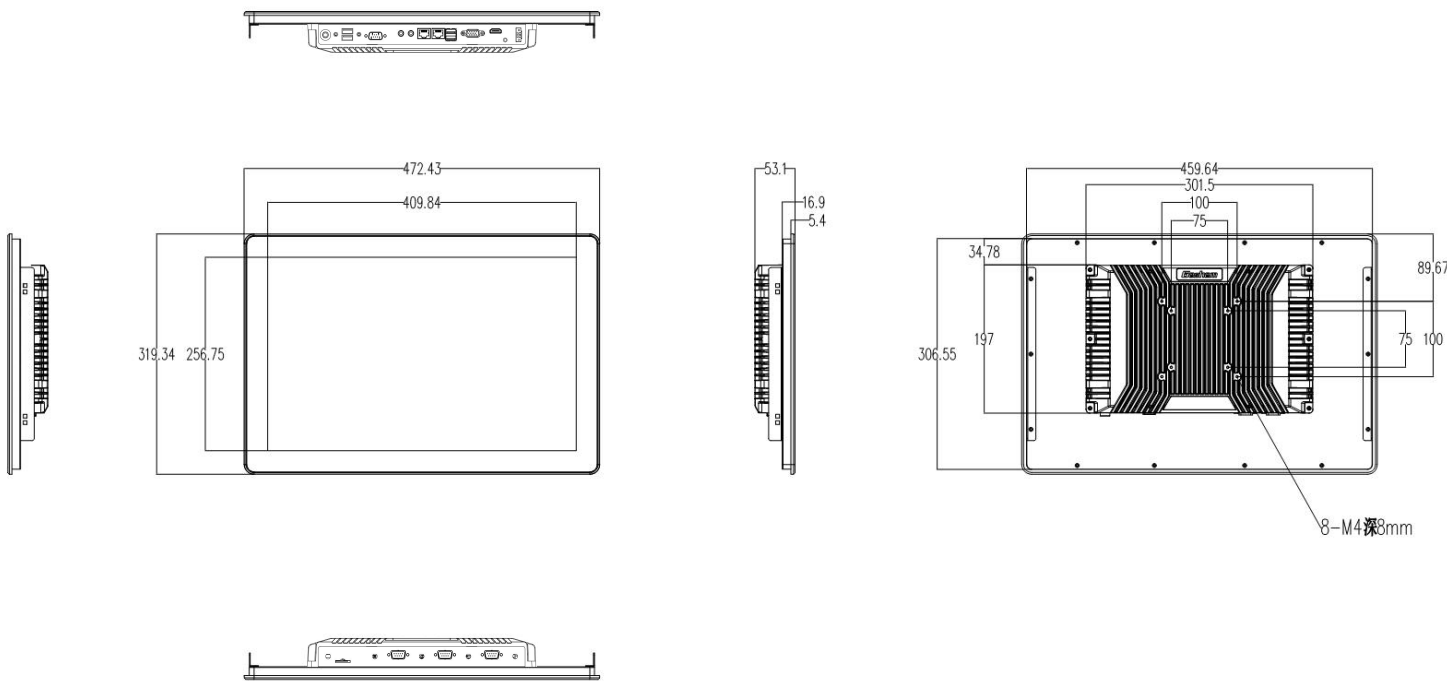
Environment

Vibration Protection	5-17Hz/1.0mm amplitude; 17-200Hz/1.0g acceleration	Operating Temp.	-10℃~60℃, Surface air flow
Shock Protection	10g acceleration, 11ms cycle	Storage Temp.	-20℃~70℃
Reliability	MTBF ≥ 30000h; MTTR ≤ 0.5h	Humidity	95% @ 40℃, no condensation
		IP Rating	Front panel IP65

Mechanical

Dimension (WxHxD)	472.4mm*319.3mm*53.1mm	Material	All metal fanless design
Weight	5.7kg/6.3kg(N.W./G.W.)	Mounting	VESA Installation: 75*75mm/100*100mm
Color	Black		Embedded Installation: 459.6mm*306.5mm

Dimensions:



Ordering Information:

Model	CPU	RAM	Storage SSD	Ethernet	Notes
TY190-GS51Y	J1900	1*DDR3L Max 8GB	1*MSATA	2*RTL8111H	The CPU may change based on the market. Please consult the sales for the specific CPU before placing the order
TY190-GS53Y	J6412	1*DDR4 MAX 16GB	Only MSATA /M.2 NVME		
TY190-GSN97Y	N97				
TY190- GSN100Y	N100				
TY190-GS35Y	I5-3210M	1*DDR3L Max 8GB	1*MSATA	2*RTL8111H	
TY190-GS45Y	I5-4300U	1*DDR3L Max 8GB			
TY190-GS65Y	i5-6300U	2*DDR4 Max 32GB			
TY190-GS65Y2	i5-6300U	2*DDR3L MAX 16GB			
TY190-GS67Y	i7-6500U	2*DDR4 Max 32GB	1*mSATA 1*M.2 2280 Supports NVMe/SATA adaptive	2*Intel I210AT	
TY190-GS75Y	i5-7300U			2*RTL8111H	
TY190-GS77Y	i7-7600U				
TY190-GS85Y	i5-8265U				
TY190-GS87Y	i7-8565U				
TY190-GS103Y	i3-10110U				
TY190-GS105Y	i5-10310U				
TY190-GS107Y	i7-10710U				
TY190-GS115Y	i5-1135G7	2*DDR4 Max 64GB	1* M.2 2280 Supports NVMe/SATA adaptive	2*Intel I210	
TY190-GS117Y	i7-1195G7			2*Intel I226V	
TY190-GS123Y	i3-1215U		1* M.2 2280 Only supports NVMe	Only 1*Intel I226V	
TY190-GS125Y	i5-1235U			2*Intel I226V	
TY190-GS127Y	i7-1255U				
TY190- GS125HY	Ultra 125H			2*RTL8111H	