TY121-GSXXMVY

12.1" Intel® Core™ 7/8th i3/i5/i7 Processor
Industrial Panel PC



Features:

- 12.1" Intel® Processor Core™ 7/8th Gen i3/i5/i7
- Industrial display screen, multi point capacitive touch screen
- 2*SO-DIMM DDR4
- 4*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/4*RJ45/1*Audio
- Fanless design

Specifications:

System Hardware

CPU	Intel® Processor Core™ 7/8th Gen i3/i5/i7	Memory	2*SO-DIMM DDR4 (Refer to order information)
Watchdog	0-255 seconds/grading implemented through system software	Storage	MSATA/ M.2 2280 SATA/NVME SSD (optional 128/256/512GB/1T/2T/4T) (Refer to order information)

Display

LCD Type	12.1″	Luminance	300 cd/m²
Max. Resolution	1280*800	Contrast Ratio	1000: 1
Touchscreen Type	12.1" Multi Point Capacitive Touch Screen		

OS

OS	Windows 10/11、 Ubuntu

I/O Ports

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

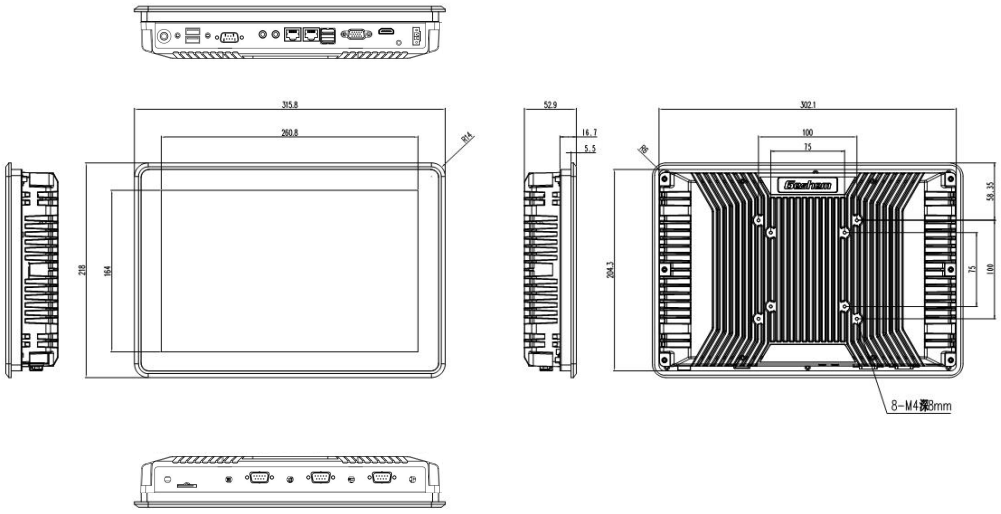
Environment

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

Mechanical

Dimension (WxHxD)	315.8mm*218mm*52.9mm	Material	All metal fanless design
Weight	3.5kg/3.9kg(N.W./G.W.)	Mounting	VESA Installation: 75*75mm/100*100mm
Color	Black		Embedded Installation: 302.10mm*204.30mm

Dimensions:



Ordering Information:

Model	CPU	RAM	Storage SSD	Ethernet	Notes
TY121-GS75MVY	I5-7360U	1*DDR3L MAX 32GB	1*MSATA 1*M.2 NVME/SATA	Intel I210AT	The CPU **may change** based on the market. Please consult the sales for the specific CPU before placing the order
TY121-GSN97MVY	N97 (Only 2 USB 3.0 ports)		1*M.2 NVME/SATA		
TY121-GS85MVY	I5-8257U	2*DDR4 MAX 64GB	1*M.2 NVME/SATA		
TY121-GS87MVY	I7-8665U				