



Features:

- Intel® Processor Core™ 11th Gen i3/i5/i7
- 12.1" Industrial display screen, multi point capacitive touch screen
- 1*DDR4 8GB (up to 32GB supported)
- Optional dual band WiFi+BT/4G communication
- 6*USB3.0/4*RS232(optional RS485/RS422)
- 1*HDMI+1*VGA/2*LAN/Audio
- Supports 9-36V wide voltage power input

Specifications:

System Hardware

CPU	Intel® Processor Core™ 11th Gen i3/i5/i7	Memory	1*DDR4 8GB (optional 16/32GB)
Watchdog	0-255 seconds/grading implemented through system software	Storage	Optional 128GB-1T M.2 2280 SATA SSD

Display

LCD Type	12.1"	Luminance	500 cd/m ²
Max. Resolution	1280*800	Screen lifespan	50000h

Touch Screen

Touch Screen	12.1 "multi-point capacitive touch screen	hardness	6H
light transmission	>85%		

OS

OS	Win10,Win11,Linux
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I/O Ports

USB	6*USB3.0	Audio	2 in 1 Audio
Serial port	4*RS232(Optional 1-4*RS485/422)	Video	1*HDMI+1*VGA
LAN	2*100/1000M	Expansion Slot	Optional dual band WiFi+BT or 4G

Power

Power Input Standard Phoenix terminal 2pin input, supports 9-36V wide voltage

Environment

Vibration Protection	5-19Hz/1.0mm amplitude; 19-200Hz/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)	316mm*218mm*61mm	Material	All metal fanless design
Weight	3.5kg/4kg(N.W./G.W.)	Mounting	VESA Installation: 100*100mm
Color	Black		Embedded Installation: 302mm*204mm

Ordering Information:

Serial Number	Model	CPU	Notes
1	TY121-GS113AH	i3-1115G4	The CPU may change based on the market Please consult the sales for the specific CPU before placing the order
2	TY121-GS115AH	i5-1135G7/1155G7	
3	TY121-GS117AH	i7-1165G7	

Dimensions:

