TY121-GSXXY-ARM

12.1" Rockchip Processor
Industrial Panel PC



Features:

- Rockchip Processor
- Industrial display screen, capacitive touch screen
- 2/4/8 GB LPDDR4+32/64/128 GB EMMC
- Supports 2.4G/5G dual band WiFi/Bluetooth
- 2*USB+1*USB TYPE-C(Partially Available)
- 1*1000M network interface
- 1*HDMI,1*RS232+1*TTL
- Metal shell fanless design

Specifications:

System Hardware

CPU	Rockchip	Memory	2/4/8 GB LPDDR4
Watchdog	Support hardware reset function (256 levels, 0~255 seconds)	Storage	EMMC 32/64/128 GB

Display

LCD Type	12.1″ LCD	Luminance	500 cd/m²
Touchscreen Type	12.1" capacitive touch screen	Contrast Ratio	1000: 1
Max. Resolution	1280*800		

OS

OS	Android/Debian

I/O Ports

USB	2*USB+1*USB TYPE-C(Partially Available)	Audio	3.5mm audio interface (2in1) with built-in speaker
Serial port	1*RS232,1*TTL		
LAN	1*1000M network interface	Video	1*HD
TF	1*TF or no		

Power

Power Supply	12V DC input (12/5A power adapter; 9-36V DC IN optional)

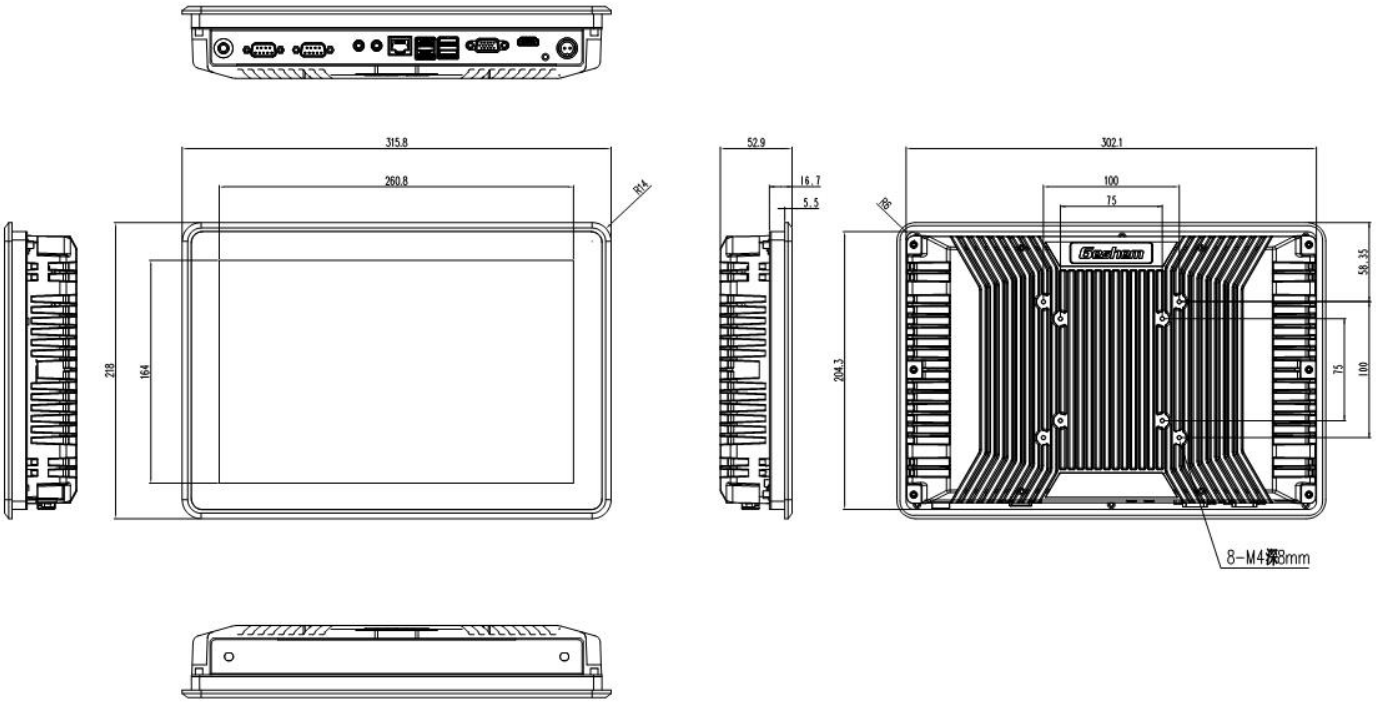
Environment

Operating Temp.	-10℃～60℃, without air flow	Reliability	MTBF≥30000h; MTTR≤0.5h
Storage Temp.	-20℃～70℃	Shock Protection	10g/11ms
Humidity	95% @40℃, non-condensing	Vibration Protection	5-19Hz/1.0mm amplitude; 19-200Hz/1.0g acceleration
IP Rating	IP54		

Mechanical

Dimension (LxWxH)	315.8mm*218mm*52.9mm	Material	Aluminum alloy panel all metal fanless design
Weight	3.5kg/3.9kg(N.W./G.W.)	Mounting	VESA mounting: 100*100mm
Color	Black		Embedded installation: 302.1mm*204.3mm

Dimensions:



Order Information:

Model	CPU	RAM	Storage SSD	Ethernet	TF	USB	System
TY121-GS95Y	RK3568	2GB	32GB	1*RTL8111H	1*TF	1*USB3.0 1*USB3.0 OTG	Android 11 Debian 11
TY121-GS96Y	RK3566	Optional 4GB	Optional 64GB with MOQ			1*USB3.0 1* USB2.0	Android 11 Debian 11
TY121-GS97SY	RK3576S	DDR5 4GB	64GB			1*USB3.0 1*USB2.0 OTG	Android 14 Debian 12
TY121-GS97Y	RK3576	Optional 8GB	Optional 128GB with MOQ		None	1*USB3.0 1*Full function Type-c 1* USB2.0	Android 14 Debian 12
TY121-GS98Y	RK3588						Android 13