TY121-GS83B-BP

12.1" Intel® Core™ i3 8145U Processor
Industrial Panel PC



Features:

- 10.1" Intel® Wiskeylake Core™ I3 8145U (optional i5-8257U/i7-8569U)
- Industrial display screen, multi point capacitive touch screen
- 2*SO-DIMM DDR4 8GB (up to 32GB supported)
- 4*USB3.0/2*RS232 (optional RS485/422)
- 1*HD/1*VGA/1*Gigabit LAN/2*Audio
- Fanless design

Specifications:

System Hardware

CPU	Intel® Whiskeylake Core™ I3 8145U processor (optional 8th Gen. i5/i7)	Memory	8GB (optional 16/32GB)
		Storage	128GB SSD (optional 256/512GB)
Watchdog	0-255 seconds/grading implemented through system software		

Display

LCD Type	12.1″	Luminance	500 cd/m²
Max. Resolution	1280*800	Contrast Ratio	1200: 1
Touchscreen Type	12.1" Multi point capacitive touch screen		

OS

OS	Windows 10、 Linux

I/O Ports

USB	4*USB3.0	Video	1*HD, 1*VGA
Serial port	2*RS232 (optional RS485/422, Phoenix terminal for multiple serial ports)	Expansion Slot	Optional dual band WIFI/BT, optional 4G/5G communication
LAN	1*1000M network interface (optional 2*1000M network interface)	SIM Card	Optional with 4G/5G
		GPIO	1*8bit DIO, occupying one DB9 interface
Audio	Mic in, Line out		

Power

Power Input	Standard 12V/5A aviation head adapter (optional 2PIN Phoenix terminal)

Environment

Vibration Protection	5-19Hz/1.0mm amplitude; 19-200Hz/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: 302.1mm*204.3mm

Dimensions:

