

# TY101-GS83B-BP

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



## Features:

- 10.1" Intel® Whiskeylake 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)
Watchdog	0-255 seconds/grading implemented through system software	Storage	128GB SSD (optional 256/512GB)

### Display

LCD Type	10.1"	Luminance	350 cd/m <sup>2</sup>
Max. Resolution	1280*800	Contrast Ratio	800: 1
Touchscreen Type	10.1" Multi point capacitive touch screen		

### OS

OS	Windows 10    Linux
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### 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 communication
LAN	1*1000M network interface (optional 2*1000M network interface)	SIM Card	Optional with 4G
Audio	Mic in, Line out	GPIO	1*8bit DIO, occupying one DB9 interface

## 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°C~60°C, Surface air flow
Shock Protection	10g acceleration, 11ms cycle	Storage Temp.	-20°C~70°C
Reliability	MTBF ≥ 30000h; MTTR ≤ 0.5h	Humidity	95% @ 40°C, no condensation
		IP Rating	Front panel IP65

## Mechanical

Dimension (WxHxD)	290mm*210mm*60.7mm	Material	All metal fanless design
Weight	2.5kg/2.9kg(N.W./G.W.)	Mounting	VESA Installation: 100mm*100mm
Color	Black		Embedded Installation: 271.38mm*192.78mm

## Dimensions:

