TY185-GS83B-BP

Features:

INDUSTRIALHMI IN PARTNERSHIP WITH *Geshem*

- 18.5" Intel® Wiskeylake Core™ i3 8145U (optional i5-8265U/i7-8565U)
- Industrial display, multi-point capacitive touch screen
- 2*SO-DIMM DDR4 8GB (up to 32GB)
- 4*USB3.0/2*RS232 (optional RS485/422)
- 1*HDMI/1*VGA/1*Gigabit LAN/2*Audio
- Fanless design
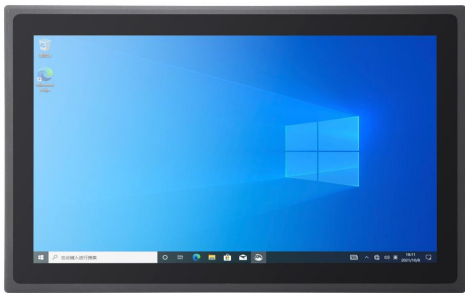
Overview:

TY185-GS83B-BP is an industrial fanless capacitive touch screen panel pc with low power consumption and high reliability. The front and rear panels are formed by aluminum alloy die-casting + CNC, and the cooling effect is excellent. This panel pc is ultra thin and fanless, and the panel can reach IP65.

This product is equipped with Intel® Whiskeylake Core™ i3 8145U processor (8th generation i5/i7 optional). The memory supports DDR4 32GB max, and the storage has 64/128/256/512GB optional. The panel pc has rich I/O ports and supports Win10 and Linux os.

This series of products has 12.1", 15", 15.6", 18.5", 17", 19", 21.5" optional. And it can flexibly customize the number of the COM port and USB port. It also has 9-36V wide-voltage module, 8 ohm 3 -watt speaker, NFC (back), binocular camera, WIFI & BT, 4G/5G communication module optional.

Specifications:

System Hardware

CPU	Intel® WHISKEYLKE CORE ™ i3 8145U processor (8th Gen i5/i7 optional)	Memory	8GB (16/32GB optional)
Watchdog	0-255 seconds/classification is realized by system software	Storage	128GB SSD (256/512GB optional)

Display

LCD	18.5″	Luminance	300 cd/m²
Backlight life	50000h	Contrast Ratio	1000: 1
Resolution	1366*768	Display angle	178°(H)*178°(V)

Touch Screen

Touchscreen	18.5″multi point capacitive touch screen	Hardness	6H
Transmittance	＞85%		

OS

OS	Win10,Linux

I/O Ports

USB	4*USB3.0	Vedio	1*HDMI,1*VGA
COM	2*RS232（Optional RS485/422)	Expansion	Dual -band WIFI/4G/5G module optional
LAN	1*1000M LAN port（2*1000M LAN ports optioanl）	SIM card slot	1*SIM card slot
		GPIO	1*8bit DIO, occupying a DB9 interface
Audio	Mic in, Line out		

Power

Power Supply	Standard 12V/5A aviation head adapter（2Pin Phoenix terminals Optional）

Environment

VibrationProtection	5-19Hz/1.0mm amplitude; 19- 200Hz/1.0g acceleration	Operating Temp	-10℃～60℃, without air flow
		Storage Temp	-20℃～70℃
Shock Protection	10g acceleration, 11ms period	Humidity	95% @40℃, non-condensing
Reliability	MTBF≥30000h; MTTR≤0.5h	IP Level	Front panel IP65

Mechanical

Dimension(LxWxH)	469.7mm*291.8mm*57.4mm	Material	All metal fanless design
Weight	5.4kg/ 6kg (N.W./G.W.)	Mounting	VESA installation: 100*100mm/75*75mm
Color	Black		Embedded installation: 455.7mm*280mm

Dimensions：