

# TY185-GS51C-5G

18.5" Intel® Bay Trail J1900  
(Optional Core™ i3/i5/i7) Processor



## Features:

- Intel® Bay Trail J1900 2.0GHz low power processor (optional Core™ i3/i5/i7)
- Industrial display, capacitive touch screen
- 4G DDR3L RAM, Up to 8GB/16GB
- 6\*USB, 2\*RS232, optional 6 serial ports
- 1\*HD、1\*VGA
- 1\*Gigabit LAN, support Wake-on-LAN/PXE
- Fanless ultra-slim design, IP65-rated front panel

## Specifications:

### System Hardware

CPU	Intel® Bay Trail J1900 Quad-Core-Quad-Thread-Processor ( optional Core™ I3/I5/I7)	Storage	4GB/8GB, Core™ supports up to 16GB
Memory	4G DDR3L, Up to 8GB/16GB	Watchdog	64GB SSD (optional 128GB~512GB)

### Display

LCD Type	18.5" TFT-LCD	Luminance	250 cd/m <sup>2</sup>
Touchscreen Type	Multi-touch capacitive touch screen	Contrast Ratio	1000: 1
Max. Resolution	1366*768		

### OS

OS	Windows 7/10、Linux
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### I/O Ports

USB	5*USB2.0 +1*USB3.0	Video	1*HD, 1*VGA
Serial port	2*RS232(1~2*RS485 optional)	GPIO	1*GPIO (2in/2out) (occupies a DB9)
LAN	1* GbE Lan	Expansion Slot	1*Mini PCIe(WiFi/BT/3G/4G/5G Optional)
Audio	1*Line-out, 1*Mic-in	SIM Card	1*SIM card holder

### Extended Functions

NFC	Support	Facial Recognition	Optional binocular facial recognition function
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### Power

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

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

## Mechanical

Dimension (LxWxH)	473.1*295.3*56.2mm	Material	Aluminum alloy panel all metal fanless design
Weight	6.25kg/7.45kg(N.W./G.W.)	Mounting	VESA mounting: 100*100mm
Color	Black/Silver		Embedded installation: 452.97*277.27mm

## Dimensions:

