

## HPC238SC-FP1900B

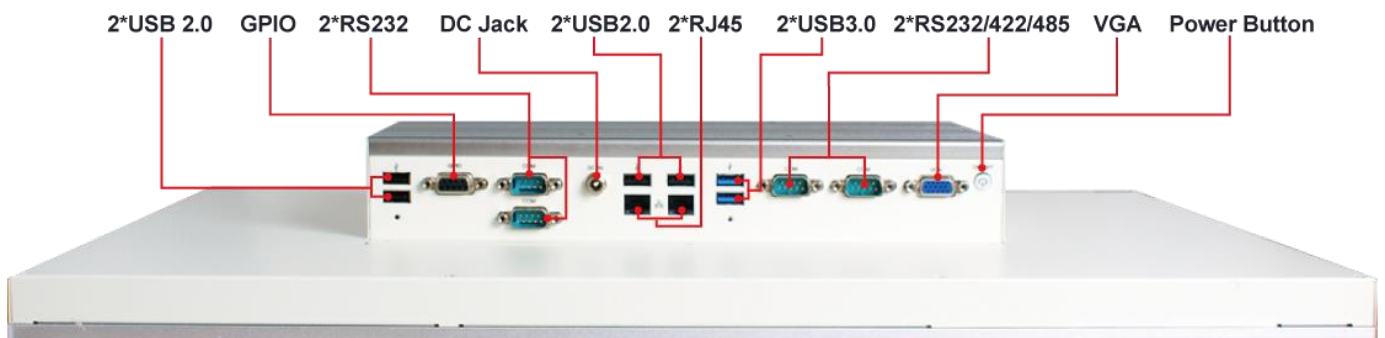
23.8" TFT FanLess Touch Panel Computer with Intel® BayTrail-D J1900 2.0GHz Quad Cores Processor



1. 23.8" 250 nits high brightness TFT LCD with LED backlight
2. 10-points Multi Capacitive Touch
3. Cable less, Streamlined enclosure for highly efficient heat dissipation Enclosed in robust aluminum casings
4. Edge-to-edge narrow bezel design and Fanless cooling system
5. Design for easy Wall mount, Panel Mount, VESA Mount installation
6. A true Flat, easy-to-clean front surface with edge-to-edge design
7. USB3.0 Support Lock Device
8. Front IP65 for protection against water and dust
9. 9-28V DC-input Support, with EOS, OVP design



### External I/O



## Specifications

### Display

Front Bezel	- IP65, NEMA 4 rugged protection, Full planar metal border
Display Type	- 23.8" With LED Backlight
Brightness (cd/m <sup>2</sup> )	- 250 nits
Display Color	- 16.7M
Resolution	- 1920 x 1080 @ 60Hz
Viewing Angle (H/V)	- 160°/160°
Pixel Pitch	- 0.2745 x 0.2745 mm
Aspect Ratio	- 16:9
Contrast Ratio	- 1000:1
Response Time	- 25 ms

### Touch screen

Type	- Projective capacitive type
Active Range	- 528.04 x 297.46mm ±0.3mm
Transparency	- 85 ±5%
Surface Hardness	- $\geq$ 6H (ASTM D3363, pressure 1N/45°)
Operating Force	- $\leq$ 10g
Operating Temperature	- 15 ~+ 65°C

### CASE

Panel Material	- Aluminum
Case Material	- Iron
Color	- Silver + white
Coating Requirement	- Spray Paint

### Main System

CPU	- Intel® Bay Trail-D J1900 2.0GHz/QC
RAM	- 4G 1333MHz DDR3L SAMSUNG DRAM
BIOS	- 64MB SPI Flash ROM
Storage	- 1* 2.5" SATA HDD - 1* M.2 connector (2242/2260/2280)
Watchdog Timer	- 256 levels, 0~255 sec.
OS Support	- Windows 7 / 8.1 / 10 / Linux (Option)

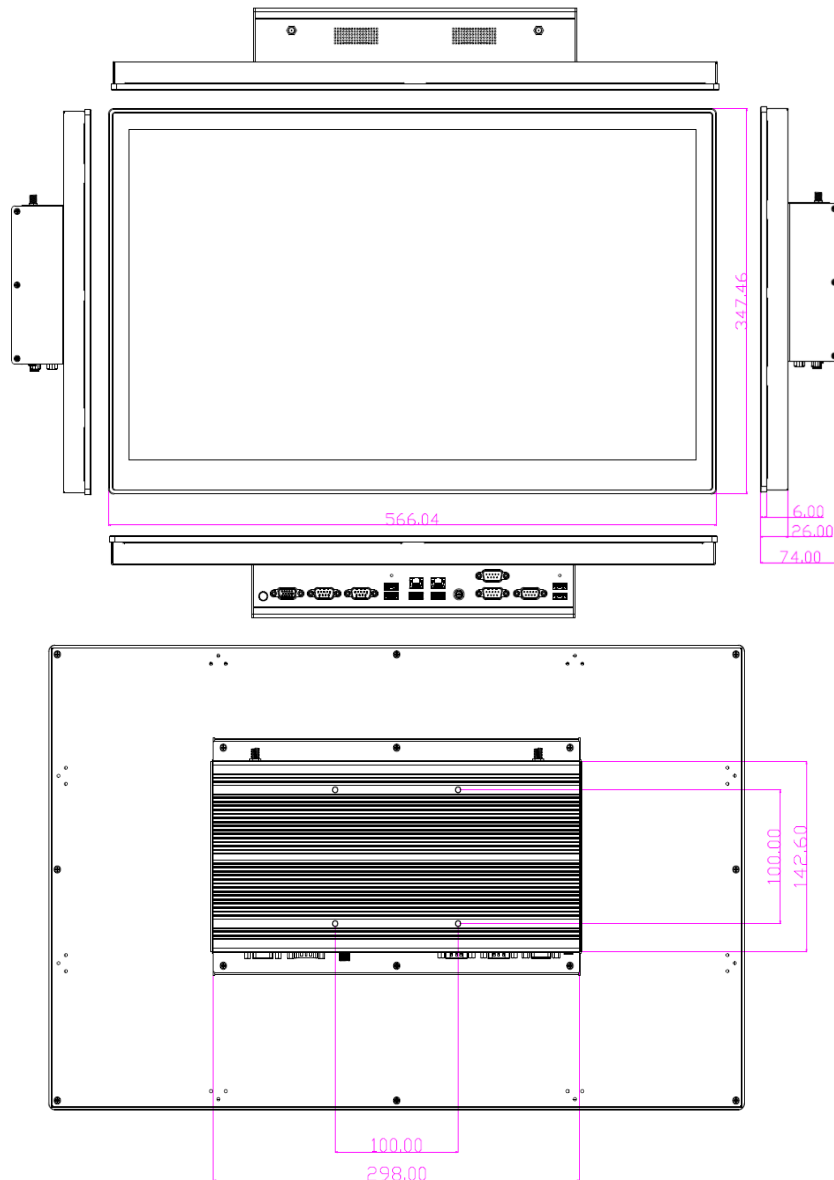
### I/O Connector

I/O Ports and Switches	- 2* USB3.0 - 4* USB2.0 - 2* RS232/422/485
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	<ul style="list-style-type: none"> <li>- 2* RS232</li> <li>- 1* CRT</li> <li>- 1* 8bit GPIO</li> <li>- 2* LAN (Intel® I211AT Gigabit LAN)</li> <li>- 1* Locking Jack 9~28V DC input</li> <li>- 1* Power button</li> </ul>
<b>Expansion Interface</b>	
Expansion	<ul style="list-style-type: none"> <li>- 1 * PCI-E mini card for WIFI or 3G/4G</li> <li>- 1 * SIM card holder for 3G/4G</li> </ul>
<b>Power</b>	
Power Input	<ul style="list-style-type: none"> <li>- AC version: 100~240V AC-DC 60W power adapter or</li> <li>- DC version: 9-28VDC with over current protection fuse</li> </ul>
Power Consumption	- 42.5W
<b>Dimensions</b>	
Case Dimensions	- 566.04*347.46*74.0mm
Packing Dimensions	<ul style="list-style-type: none"> <li>- Net Weight: KG</li> <li>- Gross Weight: KG</li> <li>- Color Box dimension: (W) * (D) * (H) mm</li> </ul>
<b>Certifications</b>	
Certifications	- CE, FCC, IP65(Front)
<b>Environment</b>	
Temperature	- Operating: -0°C ~ 60°C (with W.T. DRAM/HDD in airflow condition)
	- Operating: -0°C ~ 60°C (with W.T. DRAM/HDD)
	- Storage: -20°C ~ 85°C
Shock	- Operating: 15G , 11ms duration
Vibration	- Operating: 5~500Hz/1 Grms
<b>Warranty</b>	
Warranty	- 2 Years Limited Warranty ( Panel is only Warranty 1Year )

\*Specifications subject to change without notice, not responsible for typographical errors. Does not include HDD or OS.

## Mechanical Drawings (Unit = mm)



## Optional Accessories

Part Number	Description
-----	HPC238SC-FP1900B
	HPC238SC-FP1900B User's Manual
	JNC7A-P1900-4G User's Manual
	CD Driver
	Power cord
	60W AC-DC Adapter



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<https://guedeslopes.pt>

geral@guedeslopes.pt

ESPAÇO 3D  
RUA BRAANCAMP 84, 3 DTO  
1250 052 LISBOA

+351 218 278 341  
+351 966 850 776