

HPC-238SC-FP1900B

Flat Panel Embedded Panel PC

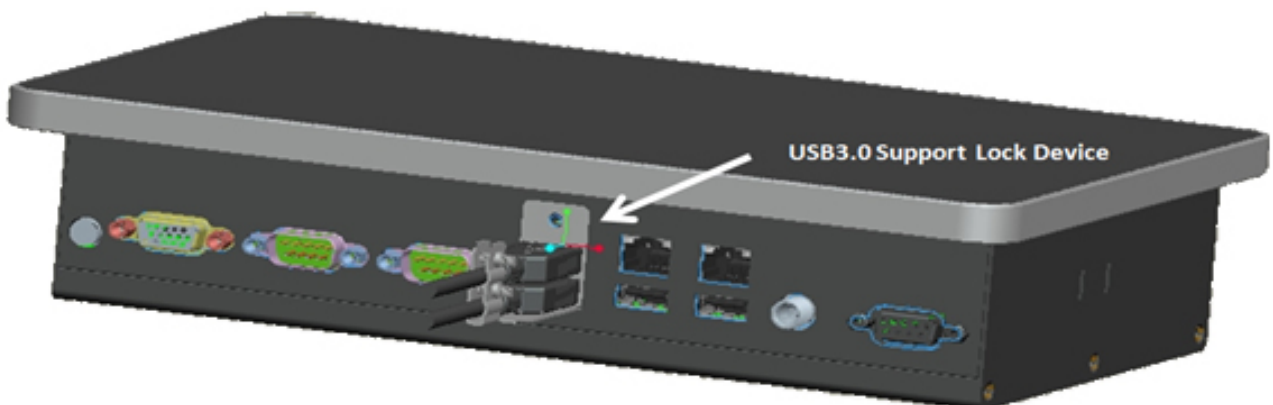
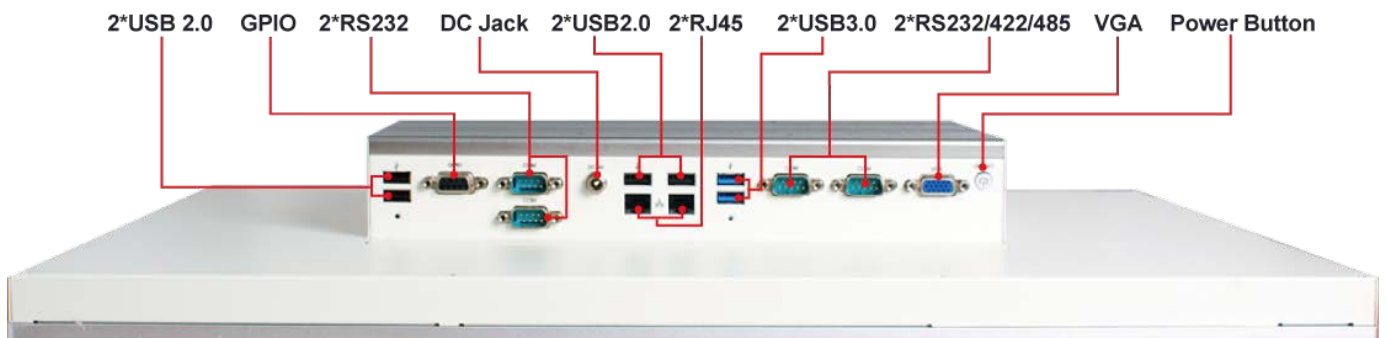
23.8" TFT FanLess Touch Panel Computer with Intel® BayTrail-D J1900 2.0GHz Quad Cores Processor



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 ²)	- 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	- ≧ 6H (ASTM D3363, pressure 1N/45°)
Operating Force	- ≧ 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)

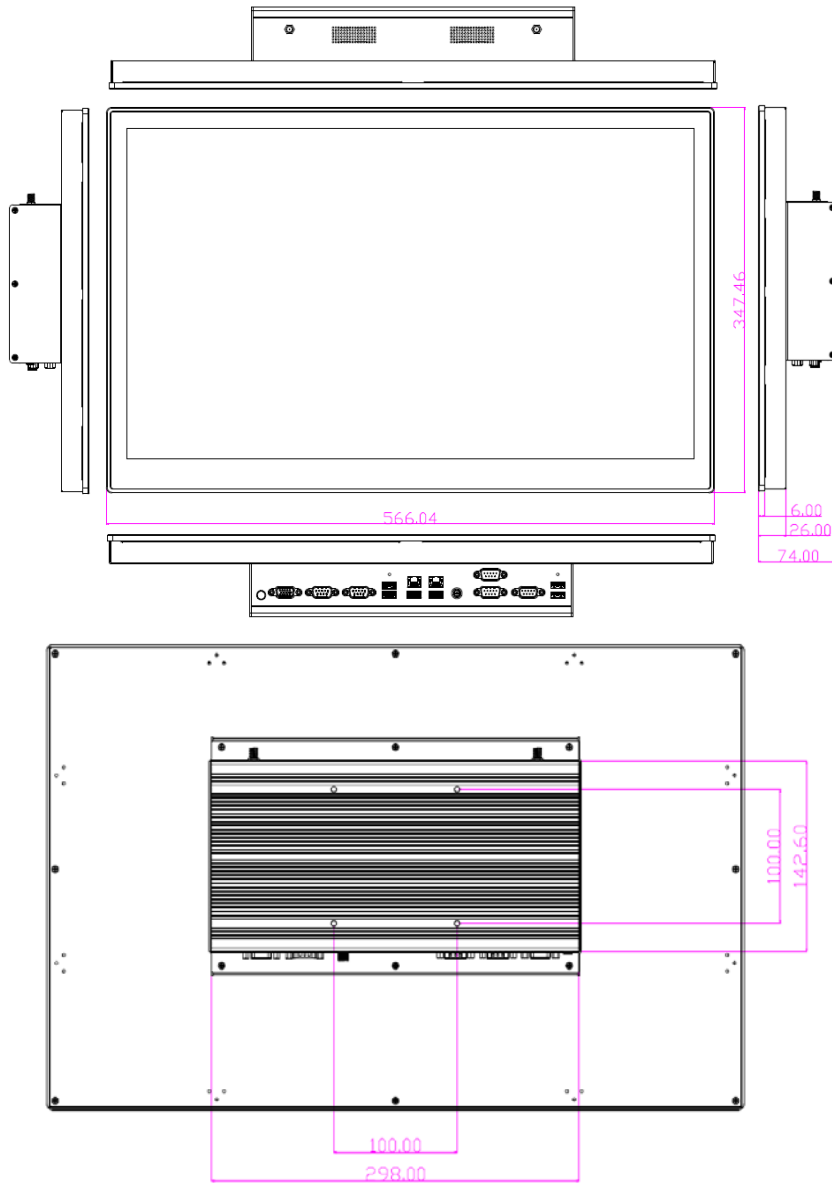
I/O Connector

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"> - 2* RS232 - 1* CRT - 1* 8bit GPIO - 2* LAN (Intel® I211AT Gigabit LAN) - 1* Locking Jack 9~28V DC input - 1* Power button
Expansion Interface	
Expansion	<ul style="list-style-type: none"> - 1 * PCI-E mini card for WIFI or 3G/4G - 1 * SIM card holder for 3G/4G
Power	
Power Input	<ul style="list-style-type: none"> - AC version: 100~240V AC-DC 60W power adapter or - DC version: 9-28VDC with over current protection fuse
Power Consumption	- 42.5W
Dimensions	
Case Dimensions	- 566.04*347.46*74.0mm
Packing Dimensions	<ul style="list-style-type: none"> - Net Weight: KG - Gross Weight: KG - Color Box dimension: (W) * (D) * (H) mm
Certifications	
Certifications	- CE, FCC, IP65(Front)
Environment	
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
Warranty	
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
-----	HPC-238GC-HD1900B
	HPC-238GC-HD1900B User's Manual
	JNC7A-P1900-4G User's Manual
	CD Driver
	Power cord
	60W AC-DC Adapter