## PPC-SH215-8000

# Industrial 21.5" LCD Fanless Panel PC with Intel 8<sup>th</sup> Generation Processor, 4 USB Ports/ 6 COM Ports/ HDMI / Dual Gigabit LAN





### **FEATURES**

- Intel® 8<sup>th</sup> Generation processor with graphics built in.
- Max memory: DDR3 up to 16GB
- Dual Gigabit Ethernet Ports
- Intel® Integrated HD Graphics Technology
- Realtek® ALC662 High-Definition Audio chip on-board
- Multi I/O: 3x USB 2.0 & 1 x USB3.0, 6x COM ports
- Bay: 1x 2.5" HDD (Internal) Bays
- Input Power: 12V DC
- Front Bezel Protection: IP65
- Supported OS: Windows® 8/10, Linux, Ubuntu, Debian

#### Introduction

PPC-SH215-8000 Industrial Panel PC supporting Intel 8th Generation Processor with Built in Graphics. PPC-SH215-8000 comes with 21.5" LCD Display. PPC-SH215-8000 supports One 2.5" HDD/SSD, 2x Com Port, 2x USB 3.0 & 2 USB 2.0 Ports and one Mini PCle expansion slot.

 $PPC-SH215-8000\ is\ ideal\ for\ developing\ high-performance\ systems\ for\ industrial\ control\ and\ Automation,\ retail,\ gaming,\ print\ imaging\ and\ digital\ signage.$ 

Ordering Information	
PPC-SH215-8550-C109	Industrial 21.5" LCD Fanless Panel PC with Intel 8 <sup>th</sup> Generation i7-8550U Processor, 4 USB Ports/ 6 COM Ports/ HDMI / Dual Gigabit LAN
PPC-SH215-8250-C109	Industrial 21.5" LCD Fanless Panel PC with Intel 8 <sup>th</sup> Generation i5-8250U Processor, 4 USB Ports/ 6 COM Ports/ HDMI / Dual Gigabit LAN

#### Specification

LCD	
Model	PPC-SH215-8000
Resolution	1920x1080 FHD
Brightness	300 cd/m <sup>2</sup>
Contrast Ratio	1000:1
Viewing Angle	170/170
Backlight	LED
Backlight MTBF	35000Hrs
Touch Screen	
Touchscreen Type	Project Capacitive Touch (10 points)
Touchscreen Interface	USB
Touch response time	2ms
Luminousness	90%
Surface Hardness	7H
MTBF	>50 million times
System	
Processor	• Intel® Core, I7-8550U, quad core, 1.8GHz, fanless
	• Intel® Core, I5-8250U, quad core, 1.6GHz, fanles
BIOS	• AMI
System Memory	• Max. 16GB
Chipset	•-
Video	Integrated graphics HD Graphics
	One HDMI
Ethernet	Dual Realtek RTL 8111E Gigabit Ethernet controller
	One Wifi Module (Optional)
On Board I/O	• 3× USB 2.0 Ports
	• 1× USB 3.0 Ports
	• 6 x COM RS232 Ports ( COM1~COM 2 RS-232/422/485 &
	COM3~COM6 3 Wire RS-232)
Watchdog Timer	<ul> <li>Programmable watchdog timer for 1~255 seconds.</li> </ul>
CMOS	On-board RTC with 242 bytes of Battery-back CMOS RAM.
Audio	Realtek ALC662, High Definition Audio (HD)
	Support Line-OUT, MIC
Power	Support both AT and ATX mode.
Cooling	One CPU cooling FAN connector nearby CPU socket
	One system cooling FAN connectors for chassis or power supply
	cooling.
Power Requirement	
External Power	AC 100~240V
Power Input	9V ~36V DC
Power Consumption	~40W
Mechanical & Environment	nt
Drive Bay	One 2.5" Hard Disk Bay
Dimension	• 534.4(W) x 328(H) x 62.1(D) mm
Weight	Gross 9.8kg, NW 8Kg
Operation temperature	• -20 to 60°C
Storage temperature	• -30 to 70°C

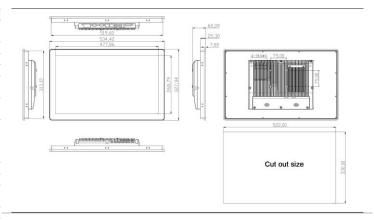
• 5% to 95% (Non-Condensing)

• IP65 Compliant

• 5-500 Hz, 0.026 G²/Hz, 2.16 Grms, X, Y, Z, 1 hour per axis

#### Dimension





Relative humidity

Additional Chassis FAN

Front Bezel protection