

PPC-SH121-8000

Industrial 12.1" LCD Fanless Panel PC with Intel 8th Generation Processor, 4 USB Ports/ 6 COM Ports/ HDMI / Dual Gigabit LAN



FEATURES

- Intel® 8th 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-SH121-8000 Industrial Panel PC supporting Intel 8th Generation Processor with Built in Graphics. PPC-SH121-8000 comes with 12.1" LCD Display. PPC-SH121-8000 supports One 2.5" HDD/SSD, 2x Com Port, 2 x USB 3.0 & 2 USB 2.0 Ports and one Mini PCIe expansion slot.

PPC-SH121-8000 is ideal for developing high-performance systems for industrial control and Automation, retail, gaming, print imaging and digital signage.

Specification

LCD	
Model	PPC-SH121-8000
Resolution	1024 x 768
Brightness	400 cd/m ²
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, fanless
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	3x USB 2.0 Ports 1x USB 3.0 Ports 6 x COM RS232 Ports (COM1~COM 2 RS-232/422/485 & COM3~COM6 3 Wire RS-232)
Watchdog Timer	Programmable watchdog timer for 1~255 seconds.
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	
Drive Bay	One 2.5" Hard Disk Bay
Dimension	318.8(W) x 245(H) x 56.5(D) mm
Weight	Gross 5kg, NW 4Kg
Operation temperature	-20 to 60°C
Storage temperature	-30 to 70°C
Relative humidity	5% to 95% (Non-Condensing)
Vibration	5-500 Hz, 0.026 G²/Hz, 2.16 Grms, X, Y, Z, 1 hour per axis
Additional Chassis FAN	N/A
Front Bezel protection	IP65 Compliant

Ordering Information	
PPC-SH121-8550-C109	Industrial 12.1" LCD Fanless Panel PC with Intel 8 th Generation i7-8550U Processor, 4 USB Ports/ 6 COM Ports/ HDMI / Dual Gigabit LAN
PPC-SH121-8250-C109	Industrial 12.1" LCD Fanless Panel PC with Intel 8 th Generation i5-8250U Processor, 4 USB Ports/ 6 COM Ports/ HDMI / Dual Gigabit LAN

Dimension

