

PPC-SH121-4000

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



FEATURES

- Intel® 4th Generation processor with graphics built in.
- Max memory: DDR3 up to 8GB
- 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® 7/8/10, Linux, Ubuntu, Debian

Introduction

PPC-SH121-4000 Industrial Panel PC supporting Intel 4th Generation Processor with Built in Graphics. PPC-SH121-4000 comes with 12.1" LCD Display. PPC-SH121-4000 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-SH121-4000 is ideal for developing high-performance systems for industrial control and Automation, retail, gaming, print imaging and digital signage.

Specification

| LCD | |
|--------------------------|--|
| Model | PPC-SH121-4000 |
| 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 | <ul style="list-style-type: none"> • Intel® Core, I7-4500U, dual core, 1.8GHz, fanless • Intel® Core, I5-4200U, dual core, 1.6GHz, fanless |
| BIOS | • AMI |
| System Memory | • Max. 8GB |
| Chipset | • - |
| Video | <ul style="list-style-type: none"> • Integrated graphics HD Graphics • One HDMI |
| Ethernet | <ul style="list-style-type: none"> • Dual Realtek RTL 8111E Gigabit Ethernet controller • One Wifi Module (Optional) |
| On Board I/O | <ul style="list-style-type: none"> • 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 | <ul style="list-style-type: none"> • Realtek ALC662, High Definition Audio (HD) • Support Line-OUT, MIC |
| Power | • Support both AT and ATX mode. |
| Cooling | <ul style="list-style-type: none"> • 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 G ² /Hz, 2.16 Grms, X, Y, Z, 1 hour per axis |
| Additional Chassis FAN | • N/A |
| Front Bezel protection | • IP65 Compliant |

Ordering Information

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|---------------------|---|
| PPC-SH121-4500-C109 | Industrial 12.1" LCD Fanless Panel PC with Intel 4 th Generation I7-4500U Processor, 4 USB Ports/ 6 COM Ports/ HDMI / Dual Gigabit LAN |
| PPC-SH121-4200-C109 | Industrial 12.1" LCD Fanless Panel PC with Intel 4 th Generation I5-4200U Processor, 4 USB Ports/ 6 COM Ports/ HDMI / Dual Gigabit LAN |

Dimension

