

PPC-Ci220-N7082

Intel® Core™ i7/i5/i3 rPGA988B Mobile Processor
 QM77 Chipset Based 22" LCD Panel PC with 6 USB
 2.0/4 USB 3.0/6x COM Ports/VGA /Triple Gigabit
 LAN



Introduction

PPC-Ci220-N7082 Industrial Panel PC supporting Intel® Core™ i7/i5/i3 rPGA988B Mobile Processor. PPC-Ci220-N7082 comes with 22" LCD Display. PPC-Ci220X-N7082 supports one Slim DVDRW and Two 2.5" Hard Disk, 4x Com Port, 6 x USB 2.0, 4 x USB 3.0 and one PCIe x16 expansion slot. PPC-Ci220-N7082 is ideal for developing high-performance systems for industrial control and Automation, retail, gaming, print imaging and digital signage.

Specification

| LCD | |
|--------------------------|---|
| Model | PPC-Ci220-N7082 |
| Resolution | 1680x1050 (WSXGA+) |
| Brightness | 250 cd/m ² |
| Contrast Ratio | 2000:1 |
| Viewing Angle | 178x178 |
| Backlight | LED |
| Backlight MTBF | 30000Hrs |
| System | |
| Processor | <ul style="list-style-type: none"> Intel® 3rd/2nd generation Core™ i7/i5/i3 rPGA988B Mobile processor |
| BIOS | <ul style="list-style-type: none"> uEFI BIOS. 64Mbit FlashROM with DOS and Windows update utility support. |
| System Memory | <ul style="list-style-type: none"> Two DDR3 1066/1333/1600 SO-DIMM up to 16 GB |
| Chipset | <ul style="list-style-type: none"> Mobile Intel® QM77 Express chipset |
| Video | <ul style="list-style-type: none"> Intel® Mobile Core i processors integrated graphics engine. VGA, HDMI, DisplayPort on rear I/O. One 20-pins connector for HDMI/DVI display. One 20-pins connector for eDP LCD. One 40-pins connector to support up to dual-24bits LVDS LCD |
| Ethernet | <ul style="list-style-type: none"> One Intel® 82574L & Two Intel® 82579LM Gigabit Ethernet Controller Support Wake-on-LAN, Remote Boot with PXE and RTL |
| On Board I/O | <ul style="list-style-type: none"> Six serial ports as COM1~COM6. COM1 is RS232/422/485 selectable by jumper with auto-flow control. Two SATA-II and four SATA-II ports support IDE, AHQ, RAID. Support four USB3.0 ports. Two ports are on rear I/O. Support six USB2.0 ports. Two ports are on rear I/O. One Parallel port supports SPP/ECP/EPP mode. 16bits Digital I/O. One SMBus interface, PS2 KB and MS. |
| Watchdog Timer | <ul style="list-style-type: none"> Programmable watchdog timer for 1~255 seconds. |
| CMOS | <ul style="list-style-type: none"> On-board RTC with 242 bytes of Battery-back CMOS RAM. |
| Audio | <ul style="list-style-type: none"> RealTek ALC888 High-Definition Audio chip on-board. Support Line-OUT, Line-IN, MIC, SPDIF, CD-IN and Surrounding sounds with pin-headers. |
| Power | <ul style="list-style-type: none"> One 20pins power connector for system power. One ATX-12V 4-pins connector for CPU 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 | |
| Power Supply | <ul style="list-style-type: none"> Industrial Auto Range 300W Power Supply |
| Mechanical & Environment | |
| Drive Bay | <ul style="list-style-type: none"> One Slim DVDRW & two 2.5" Hard Disk Bays |
| Dimension | <ul style="list-style-type: none"> 550.8(W) x 373.1(H) x 113(D) mm |
| Weight | <ul style="list-style-type: none"> Gross 18kg |
| Operation temperature | <ul style="list-style-type: none"> 0°C to 60°C (32° F to 140° F) |
| Storage temperature | <ul style="list-style-type: none"> -20°C to 80°C (-68° F to 176° F) |
| Relative humidity | <ul style="list-style-type: none"> 5% to 95% (Non-Condensing) |
| Additional Chassis FAN | <ul style="list-style-type: none"> 2x 40mm |
| Front Bezel protection | <ul style="list-style-type: none"> IP65 Compliant |
| Drive Bay | <ul style="list-style-type: none"> One Slim DVDRW & two 2.5" Hard Disk Bays |
| Dimension | <ul style="list-style-type: none"> 550.8(W) x 373.1(H) x 113(D) mm |

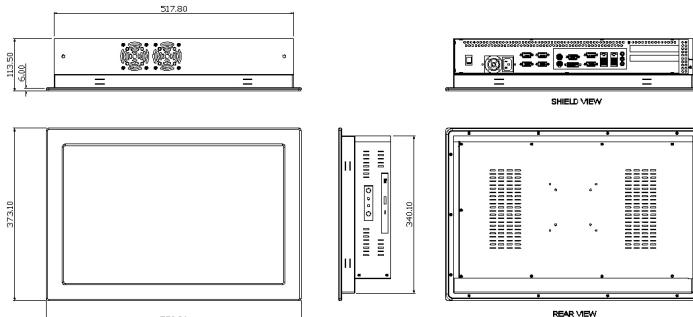
FEATURES

- Intel® 3rd/2nd Generation Core™ i7/ i5/ i3/ Mobile in the rPGA988B socket
- Mobile Intel® QM77 Express chipset
- Two DDR3 1006/1333/1600 MHz up to 16 GB
- One Intel® 82574L Giga LAN and Two Intel® 82579LM Giga LAN
- Intel® Core™ integrated HD Graphics 4000 Technology
- RealTek® ALC888 High-Definition Audio chip on-board
- Multi I/O: 6xUSB 2.0, 4xUSB 3.0, 6x COM ports, 6x SATA, 1xSPDIF
- Expansion: PCIe x16 slot. Supports x1, x4, x8, x16 configurations. & 2x Mini-PCIe sockets
- Bay: 1x Slim SATA DVDRW, 2x 2.5" HDD (Internal) Bays

Ordering Information

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|----------------------|--|
| PPC-Ci220-N7082-C100 | Intel® Core™ i7/i5/i3 rPGA988B Mobile Processor QM77 Chipset Based 22" LCD Panel PC with 250cd/m ² 6 USB 2.0/4 USB 3.0/6x COM Ports/VGA /Triple Gigabit LAN, 300W Power Supply ARG Protection and Sensor & Slim Socket 988B CPU Cooler |
| PPC-Ci220-N7082-C101 | Intel® Core™ i7/i5/i3 rPGA988B Mobile Processor QM77 Chipset Based 22" LCD Panel PC with 250cd/m ² 6 USB 2.0/4 USB 3.0/6x COM Ports/VGA /Triple Gigabit LAN, 300W Power Supply/USB Touch Screen Controller and Sensor & Slim Socket 988B CPU Cooler |
| PPC-Ci220-N7082-C102 | Intel® Core™ i7/i5/i3 rPGA988B Mobile Processor QM77 Chipset Based 22" LCD Panel PC with 250cd/m ² 6 USB 2.0/4 USB 3.0/6x COM Ports/VGA /Triple Gigabit LAN, 300W Power Supply/RS232 Touch Screen Controller and Sensor & Slim Socket 988B CPU Cooler |

Dimension



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