

# IPC-610

## 4U Rack Mount PC



### Features

- Intel Core 2-14th Gen Processor
- ATX and Micro ATX optional, easy assembly
- VGA+HDMI Display
- Rich I/O ports to meet various industrial environment
- Good heat dissipation, Strong anti-electromagnetic interference ability and anti-radiation ability

### Introduction

IPC-610 is a new 4U Rack Mount PC equipped with an Intel® Core 2-14th generation Core processor. Meeting the demands of harsh environments which pass the EMC test, the rugged design makes the IPC-610 extra reliable for various applications such as Communication, Networking, Finance, Electricity, Military, Environmental Monitoring, Industrial Automation Machine.

### Specifications

|                          |                       |                                                                                                           |
|--------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Processor</b>         | CPU                   | Intel Core 2-14th Gen CPU, i3/i5/i7, 4 type mother board optional (CES-781B, CES-785A, CES-787A, ATX-809) |
| <b>Power Consumption</b> | Input Voltage         | Built in 500-700W Power                                                                                   |
| <b>Environment</b>       | Operating Temperature | -10°C ~ 60°C (14 ~ 122 °F)                                                                                |
|                          | Storage Temperature   | -20°C ~ 75°C (-4 ~ 158 °F)                                                                                |
|                          | Reliability           | MTBF ≥ 50000h; MTTR ≤ 0.5h                                                                                |
|                          | Anti-shock            | 0.5g rms/5~500Hz/random                                                                                   |
|                          | Operating Humidity    | 95% @40°C (104°F), non-condensing                                                                         |
| <b>Mechanical</b>        | Dimensions            | 483(W)*350(D)*178(H)mm                                                                                    |
|                          | Weight                | 15KG(33.07lb)                                                                                             |
|                          | Material              | High Strength Aluminum Alloy, A flowerless galvanized sheet                                               |
| <b>Special Features</b>  | Power Start           | After power outage, the system automatically starts up when power is restored                             |

|          |                          |                                                                                      |
|----------|--------------------------|--------------------------------------------------------------------------------------|
|          | Watchdog                 | System can start automatically if crash                                              |
|          | Low voltage adaptation   | 100V-240V low voltage start and stable operation                                     |
|          | electrostatic protection | Hardware circuit design protect lightning and electrostatic impact when beyond 2000v |
|          |                          |                                                                                      |
| CES-781B | CPU                      | Intel® Core 2-3th Gen CPU, i3/i5/i7, LGA 1155, Intel B75                             |
|          | Memory                   | 4*DIMM RAM, DDR3 1066/1333/1600MHZ, 32GB Max                                         |
|          | Storage                  | 3*SATAIII, 5*SATAII                                                                  |
|          | I/O ports                | USB: 4*USB3.0; 10*USB2.0                                                             |
|          |                          | COM: 6*RS232, 2*RS485/ 2*RS422 optional                                              |
|          |                          | Display: 1*VGA, 1*DVI                                                                |
|          |                          | 1*LPT, 1*PS/2                                                                        |
|          | Network(LAN)             | 2*Intel I211 10/100/1000Mbps Ethernet                                                |
|          | Expansion                | 1*PCI-e X16, 1*PCI-e X4, 2*PCI X1                                                    |
|          | GPIO                     | 1*2×5 Pin 2.0mm GPIO, Supports four inputs and four outputs                          |
|          | OS system                | Windows 7/10; Linux Centos/Ubuntu                                                    |
|          |                          |                                                                                      |
| CES-785A | CPU                      | Intel® Core 4th Gen CPU, i3/i5/i7, LGA 1150, Intel B85                               |
|          | Memory                   | 4*DIMM RAM, DDR3 1066/1333/1600MHZ, 32GB Max                                         |
|          | Storage                  | 4*STATIII, 1*mSATA                                                                   |
|          | I/O ports                | USB: 4*USB3.0; 8*USB2.0                                                              |
|          |                          | COM: 6*RS232, 2*RS485/ 2*RS422 optional                                              |
|          |                          | Display: 1*VGA, 1*VGA                                                                |
|          |                          | 1*LPT, 1*PS/2                                                                        |
|          | Network(LAN)             | 2* Intel I211 10/100/1000Mbps Ethernet                                               |
|          | Expansion                | 1*PCI-e X16, 1*PCI-e X4, 1*PCI-e X1                                                  |
|          | GPIO                     | 1*2×5 Pin 2.0mm GPIO, Supports four inputs and four outputs                          |
|          | OS system                | Windows 7/10; Linux Centos/Ubuntu                                                    |
|          |                          |                                                                                      |
| CES-787A | CPU                      | Intel® Core 6-9th Gen CPU, i3/i5/i7, LGA 1151, Intel H110                            |
|          | Memory                   | 4*DIMM RAM, DDR4 2133/2400/2666MHZ, 64GB Max                                         |
|          | Storage                  | 4*STATIII                                                                            |
|          | I/O ports                | USB: 6*USB3.0; 8*USB2.0                                                              |

|         |              |                                                                                   |
|---------|--------------|-----------------------------------------------------------------------------------|
|         |              | COM: 6*RS232, 2*RS485/ 2*RS422 optional                                           |
|         |              | Display: 1*HDMI, 1*VGA, 1*DP                                                      |
|         |              | 1*LPT, 1*PS/2                                                                     |
|         | Network(LAN) | 2* Intel I211 10/100/1000Mbps Ethernet                                            |
|         | Expansion    | 1*PCI-e X16, 3*PCI-e X4, 1*PCI-e X1, 2*PCI                                        |
|         | GPIO         | 1*2×5 Pin 2.0mm GPIO, Supports four inputs and four outputs                       |
|         | OS system    | Windows 7/10; Linux Centos/Ubuntu                                                 |
|         |              |                                                                                   |
| ATX-809 | CPU          | Intel® Core 12-14th Gen CPU, i3/i5/i7/i9, LGA 1700, Pentium processor, Intel H610 |
|         | Memory       | 2*DIMM RAM, DDR4 2133/2400/2666MHZ, 64GB Max                                      |
|         | Storage      | 4*STATIII+1*M.2                                                                   |
|         | I/O ports    | USB: 2*USB3.2; 2*USB3.0; 6*USB2.0                                                 |
|         |              | COM: 6*RS232, 2*RS485/ 2*RS422 optional                                           |
|         |              | Display: 1*HDMI, 1*VGA, 1*DP                                                      |
|         |              | 1*LPT, 1*PS/2, 1*TMP2.0                                                           |
|         | Network(LAN) | 2* Intel I211 10/100/1000Mbps Ethernet                                            |
|         | Expansion    | 1*PCI-e X16, 1*PCI-e X4, 2*PCI-e X1, 3*PCI                                        |
|         | Watch dog    | support watch dog, Supports system restart in 1 to 225 seconds                    |
|         | GPIO         | 1*2×5 Pin 2.54mm GPIO, Supports four inputs and four outputs                      |
|         | OS system    | Windows 10/11; Linux Centos/Ubuntu                                                |



