

4U Rack-mounted Industrial PC



Product Features:

- Supports industrial motherboards up to 12" × 9.6"
- Supports 3 x 3.5" HDD bays, compatible with 3 x 2.5" SSDs, and 1 x 5.25" optical drive bay
- Standard 1 x 120mm fan
- Supports standard ATX power supply and redundant power supply
- Optional 14-slot rear panel supports standard ISA/PCI/PCIMG industrial backplanes



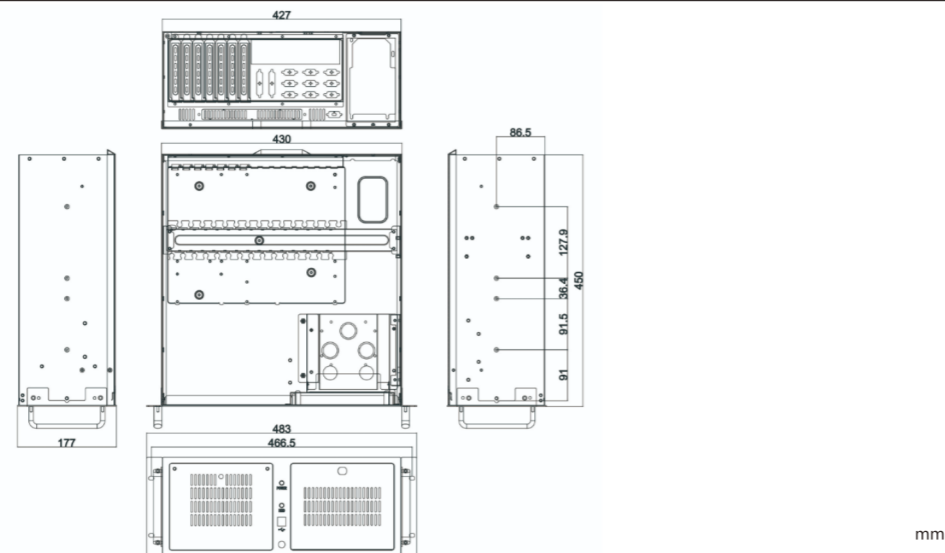
IPC-510L

4U 19-inch Rack-mounted IPC

Supports motherboards with dimensions of 12" × 9.5" and smaller

The beige KTB IPC-510L is a 4U rackmount industrial computer. It supports Intel 2nd-14th Gen CPUs and motherboards of ATX size and smaller, with 3×3.5" hard drive bays (compatible with 2.5" SSDs) + 1×5.25" optical drive bay, and includes interfaces like SATA III/M.2 with RAID support. Equipped with dual network ports (up to 2.5G), multiple serial ports + GPIO, hardware one-click recovery and TPM2.0, it has a 1.0mm eco-friendly fingerprint-resistant steel body, a standard 12025 fan, adapts to ATX/redundant power supplies, and ensures stability with 0-60°C wide temperature and watchdog.

Dimensions Diagram



4U 19-inch Rack-mounted IPC Based on Intel 2/3/4/6/7/8/9/10/11/12/13/14 Gen Processors

| Model | IPC-510L KTB 4U Rack-mounted Industrial PC | | | | |
|------------------------|--|---|---|---|---|
| | Beige | | | | |
| Product Color | Beige | | | | |
| Processor | 2/3th Gen | 4th Gen | 6/7/8/9th Gen | 10/11th Gen | 12/13/14th Gen |
| Chipset | B75 | B85/H81 | H110/Q170/Q370/B365/H310C | Q470/B560/H420E/W480 | Q670/H610 |
| CPU Socket | LGA1155 | LGA1150 | LGA1151 | LGA1200 | LGA1700 |
| Memory | 2/4*DDR3 DIMM Up to 16GB/32GB | 2/4*DDR3 DIMM Up to 16GB/32GB | 2/4*DDR4 DIMM Up to 16GB/32GB/64GB/128GB | 2/4*DDR4 (U)DIMM Up to 64GB/128GB | 2/4*DDR4/5 (U)DIMM Up to 64GB/128GB |
| BIOS | 64Mb SPI FLASH | 64Mb SPI FLASH | 64Mb SPI FLASH | 64Mb SPI FLASH | 64Mb SPI FLASH |
| Display Interface | VGA+DVI, or VGA | VGA+HDMI, or VGA+HDMI+DVI, or VGA+DVI | VGA+HDMI, or VGA+HDMI+DP(DVI), or VGA+DVI | VGA+HDMI, or VGA+HDMI+DP | VGA+HDMI, or VGA+HDMI+DP/DP++ |
| Serial Port | 2/6 RS232/485/422 | 6/10 RS232/485/422 | 6/10 RS232/485/422 | 6/10 RS232/485/422 | 6 RS232/485/422 |
| Network Port | 2*10/100/1000Mbps, 1*Intel 82583V, 1*Intel 82579L, Realtek RTL8111E | 2*10/100/1000Mbps, Adopt RTL8111H or Intel I211 chip | 2*10/100/1000Mbps, Adopt Intel I219V/I211/I210 chip | 2*10/100/1000Mbps, Adopt Intel I219V+ Intel I211 chip | 2*LAN: 1*1000Mbps+ 1*2.5G network card Adopt Intel I219V+ Intel I226 chip |
| USB | 2/4*USB3.0 (I/O) 2*USB2.0 (I/O) 6/8/10*USB2.0 (Built-in) | 2/4*USB3.0 (I/O or built-in) 2/4*USB2.0 (I/O) 2/4/6*USB2.0 (Built-in) | 4/6*USB3.0 (I/O or built-in) 5/6/8*USB2.0 (I/O or built-in) | 6*USB3.2 (I/O) 4/6/8*USB2.0 (Built-in) | 2/6*USB3.2 (I/O) 2/6*USB3.0 (I/O) 6/8*USB2.0 (I/O or built-in) |
| AUDIO | Realtek ALC662 chip Support MIC-in, Line-out, Line-in(optional) | Realtek ALC892/662 chip; Support Line-in, Line-out, MIC-in | Realtek ALC892/662/897 chip; Support MIC-in, Line-out, Line-in | Realtek ALC662/892 chip Support MIC-in, Line-out, Line-in | Realtek ALC897 chip Support MIC-in, Line-out, Line-in |
| Hard Disk Interface | 1*SATA III 3/5*SATA II | 2/4*SATA III 1*mSATA | 3/4*SATA III Support RAID 0/1/5/10 1*mSATA or 1xM.2(Support 2260/2280 Key-M SSD, SATA and Nvme) | 3/4*SATA III Support RAID 0/1/5/10 1*M.2 (Support 2242/2260/2280/22110 Key-M SSD, SATA or Nvme) | 4*SATA III Support RAID 0/1/5/10 1*M.2(Support 2242/2260/2280 Key-M SSD) Support SATA /Nvme PCIe X2 |
| GPIO | Provide a 2*5 Pin 2.0mm GPIO pin, supporting 4 inputs and 4 outputs | Provide a 2*5 Pin 2.0mm/2.54mm GPIO pin, supporting 4 inputs and 4 outputs | Provide a 2*5 Pin 2.0mm/2.54mm GPIO pin, supporting 4 inputs and 4 outputs | Provide a 2*5 Pin 2.54mm GPIO pin, supporting 4 inputs and 4 outputs | Provide a 2*5 Pin 2.54mm GPIO pin, supporting 4 inputs and 4 outputs |
| System one key restore | / | / | Support one-click restore of hardware system | Support one-click restore of hardware system | / |
| PCIe | 1*16X 1*4X 1*1X | 1*16X 1*4X 1*1X | 1/2*16X 1/3*4X 1*1X(using 4X socket) | 1*16X 1/3/4*4X 2*1X | 1*16X 1/3*4X 2*2X |
| PCI | 2/4/6 | 2/4 | 2/5 | 2/4 | 1/2/4 |
| PS/2 | Support | Support | Support | Support | Support |
| LPT | Support | Support | Support | Support | Support |
| TPM2.0 | / | / | / | Support | Support |
| Power-supply | Standard ATX 24-pin | Standard ATX 24-pin | Standard ATX 24-pin | Standard ATX 24+8-pin | Standard ATX 24+8-pin |
| Operating Temp | 0°C~60°C | 0°C~60°C | 0°C~60°C | 0°C~60°C | 0°C~60°C |
| Storage Temp | -20°C~85°C | -20°C~85°C | -20°C~85°C | -20°C~85°C | -20°C~85°C |
| Operating Humidity | 5%~95%, non-condensing | 5%~95%, non-condensing | 5%~95%, non-condensing | 5%~95%, non-condensing | 5%~95%, non-condensing |
| OS | Win XP/7/8/10, Linux | Win 7/8/10, Linux | Win 7/8/10, Linux | Win 10/11, Linux | Win 7/8/10/11, Linux, Ubuntu |
| Watchdog | Watchdog function, supporting system restart within 1255 seconds | Watchdog function, supporting system restart within 1255 seconds | Watchdog function, supporting system restart within 1255 seconds | Watchdog function, supporting system restart within 1255 seconds | Watchdog function, supporting system restart within 1255 seconds |
| Dimensions | 450mm*427mm*177mm (W*D*H) | | | | |

*Above config: KTB motherboard & chassis. For more, contact customer service.