

# 4U Rack-mounted Industrial PC



## Product Features:

- 4U, 19" rack-mountable IPC, supporting 3x 3.5"+ 1x 3.5" hard drive bays
- Supports ATX/Micro ATX motherboards or PICMG passive backplanes with up to 14 slots
- Unique fixed pressure bar design with rubber feet to prevent damage to cards from impact or vibration
- Front accessible air filter for easy system maintenance
- Flexible mechanical design, supporting 250W/300W single PS/2 and redundant ATX power supplies
- Front panel with lock to prevent misoperation; front dual USB + PS/2 ports



## IPC-610L

### 4U 19-inch Rack-mounted IPC

Supports ATX and MicroATX

The IPC supports ATX/MicroATX industrial motherboards and PICMG passive backplanes, fitting 3×5.25" + 1×3.5" drives. Its fixed pressure bar with rubber feet prevents card damage from shocks/vibrations. The front has USB/PS/2 ports, a lockable door, and an accessible air filter for easy maintenance. It works with 250W/300W single PS/2 or redundant ATX power supplies.

Built with a 2.0mm high-strength steel panel and 1.2mm SGCC chassis, it features a dark gray industrial design. The internal air duct boosts heat dissipation. The drive rack's anti-vibration design protects drives and stabilizes operation. With 7-slot rear expansion, a full-length card bar reinforces the chassis. Its dust-proof filter cotton is detachable for cleaning/replacement.

Whole machine picture



Front window



Rear window

\*For more rear window interfaces, please contact customer service.

## 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-610L 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	VGA+DVI, or VGA	VGA+HDMI, or VGA+	VGA+HDMI, or VGA+HDMI	VGA+HDMI,	VGA+HDMI,
Interface		HDMI+DVI, or VGA+DVI	+DP(DVI), or VGA+DVI	or VGA+HDMI+DP	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*Intel82579L, 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 0/2*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	482mm*480mm*177mm (W*D*H)				

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