

# INDUSTRIAL PC

## IPC-I707



# INTRODUCTION

## Rugged Construction

- Enclosed in a metallic chassis (usually aluminum or steel) for durability.
- Resistant to shock, vibration, dust, and electromagnetic interference.

## Fanless Design

- Utilizes passive cooling with heat sinks.
- Eliminates moving parts → lower maintenance, silent operation, longer lifespan.

## Wide Temperature Support

- Industrial-grade PCs can operate from -10°C to +60°C, or even wider ranges depending on the model.
- Ensures stable performance in extreme climates (factory floors, outdoor kiosks, vehicles)

## Flexible I/O Interfaces

- Multiple COM ports (RS232/422/485) for legacy and modern machines.
- Gigabit LAN ports for fast and reliable networking.
- USB, VGA, HDMI
- Compact & Space-Saving

## Compact & Space-Saving

- Small footprint allows easy integration into control panels, cabinets, or kiosks.
- panel or wall-mounting options for industrial environments.

## High Reliability Features

- Watchdog timer to automatically restart in case of system hang.
- One-key restore for quick system recovery.
- Diskless boot support for secure and efficient operations.

## Energy Efficient

- Optimized for low power consumption, ensuring long-term cost savings.
- Ideal for 24/7 continuous operation.



system	CPU	Intel® Core 7th Generation i3/i5/i7
	Memory	1 *SO - DIMM memory slot, supports up to 32 GB
	storage	1* M.2 2280 M-Key slot (supports SSD hard drives with SATA and NVMe signals)128/256/500/1TB/2TB 1* SATA (supports 2.5-inch hard drive)
	Network (LAN)	2 *RTL8111H Gigabit electrical ports, support network wake-up/PXE
	I/O Interface	1*power switch 1 * power indicator, 1 * hard disk indicator 1*HDMI 2*USB3.0, 2*USB2.0 2*LAN 6 * COM (COM1/COM2 optional RS232/RS485, COM3-COM6 RS232) 1*audio two-in-one interface 1* 2pin Phoenix terminal, supports 12V voltage input
	Extensions	1*M.2 2230 E-Key slot, supports WIFI/BT module 1*Mini-PCIE slot, supports WIFI / 4G module
	Watchdog	255 levels of programmable seconds/minutes, supporting timeout interrupt or system reset
	speaker	2*8Ω 2w
operating system	operating system	Microsoft® Windows 10 , Windows 11 , Linux
LCD screen	type	12.1/15/15.6/17/21/23-inch industrial-grade LCD display (LED backlight)
	Resolution	1024 * 768
	Viewing angle	89/89/89/89 (Typ.)(CR≥10)
	brightness	450nits
	Contrast	1000:1
	Backlight life	30,000 hr (min.)



touchscreen	type	Projected capacitive touch , 10-point touch
	Control method	USB interface
	Light transmittance	More than 80%
environment	Operating temperature	-10°C~ 60 °C
	Storage temperature	-20°C~ 70 °C
	relative humidity	5%-95% relative humidity, non-
body	bare metal weight	TBD

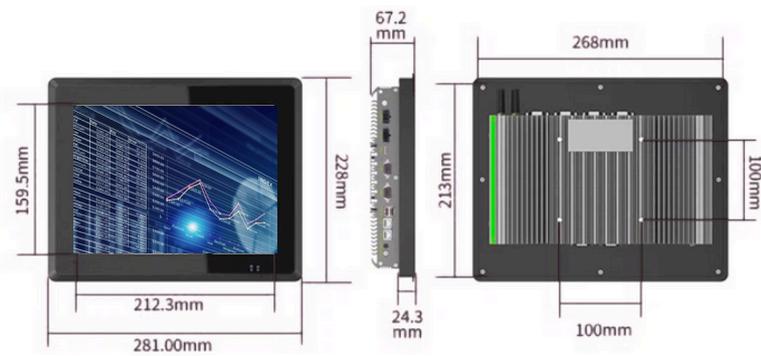
## Display Resolution

Type	Resolution	Screen Ratio / Scale
10.4" LCD	1024 × 768	4:3
12.1" LCD	1024 × 768	4:3
15" LCD	1024 × 768	4:3
17" LCD	1280 × 1024	5:4
19" LCD	1280 × 1024	5:4
13.3" LCD	1920 × 1080	16:9 (H:V)
15.6" LCD	1920 × 1080	16:9 (H:V)
18.5" LCD	1920 × 1080	16:9 (H:V)
21" LCD	1920 × 1080	16:9 (H:V)
23.6" LCD	1920 × 1080	16:9 (H:V)
27" LCD	1920 × 1080	16:9 (H:V)

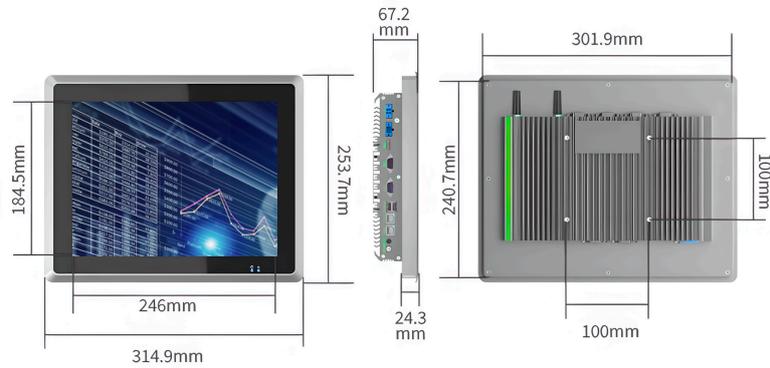


# Display Dimensions

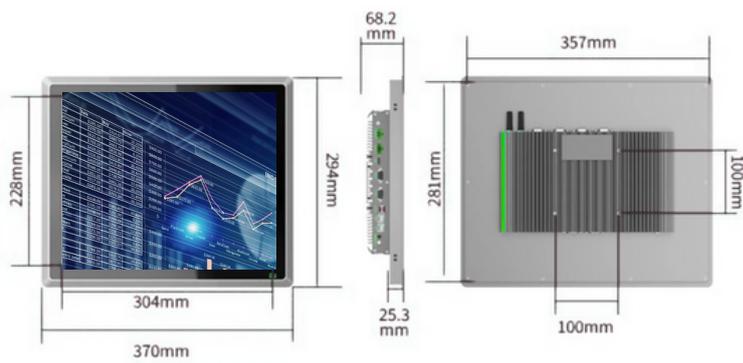
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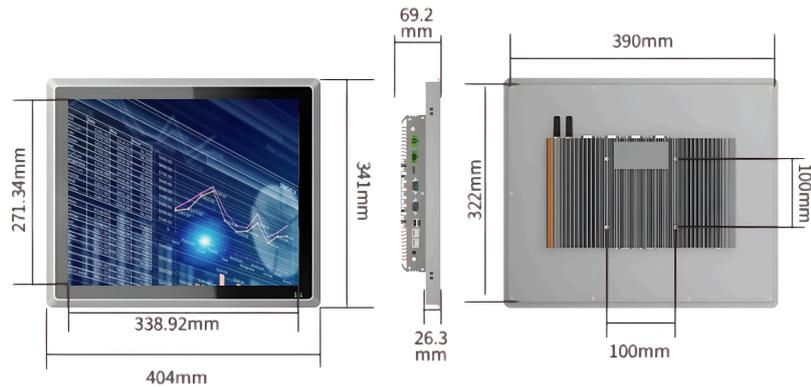
12.1"



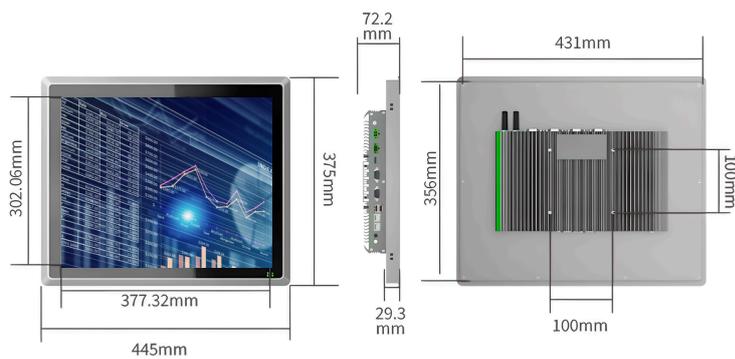
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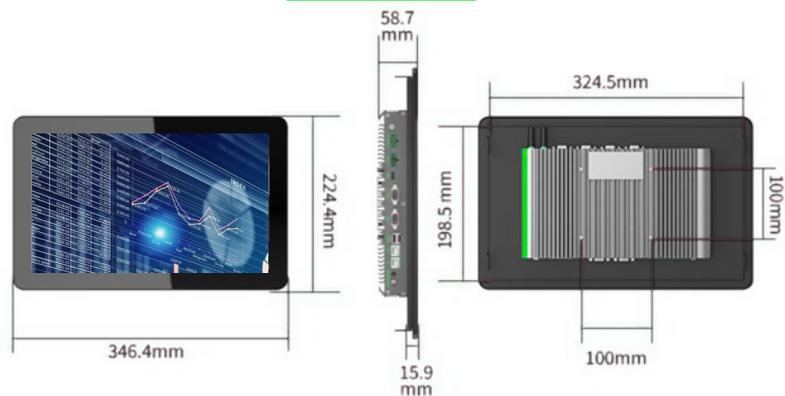
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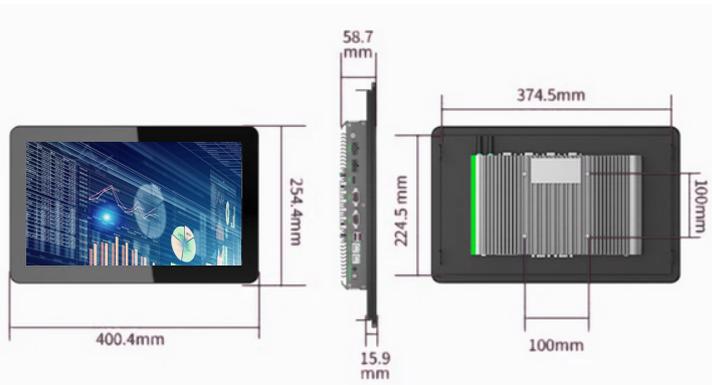
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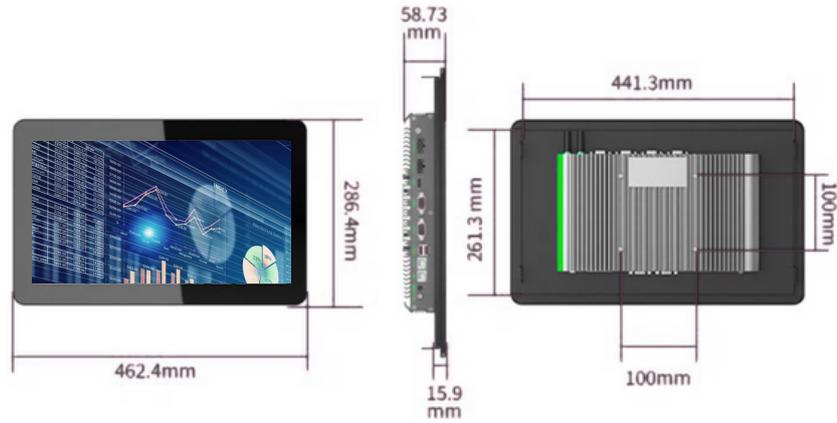
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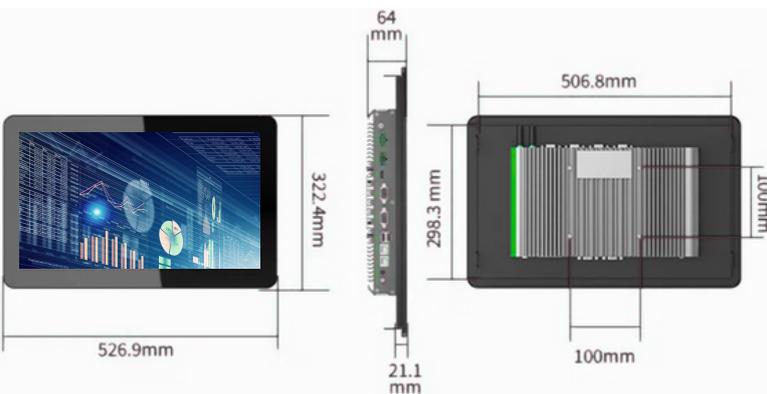
15.6"



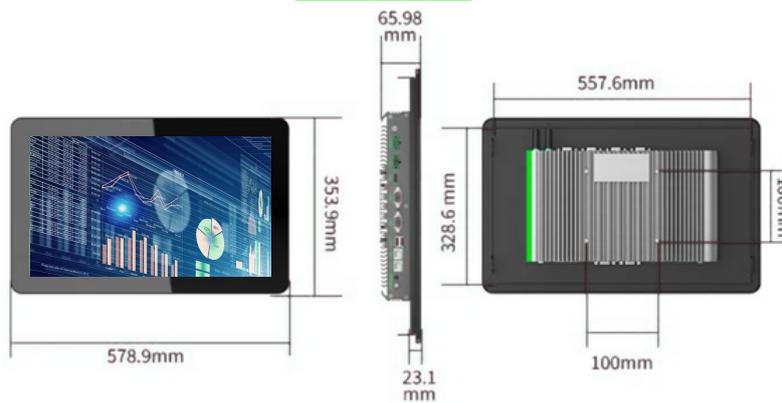
18.5"



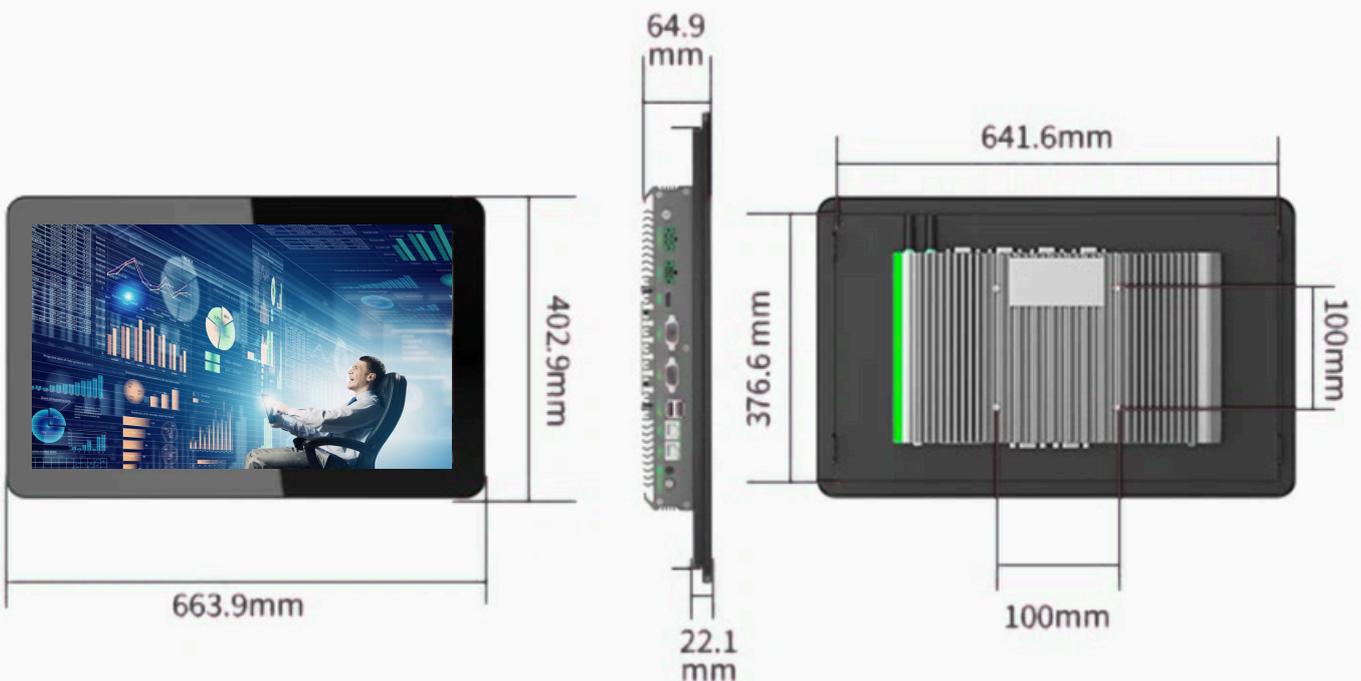
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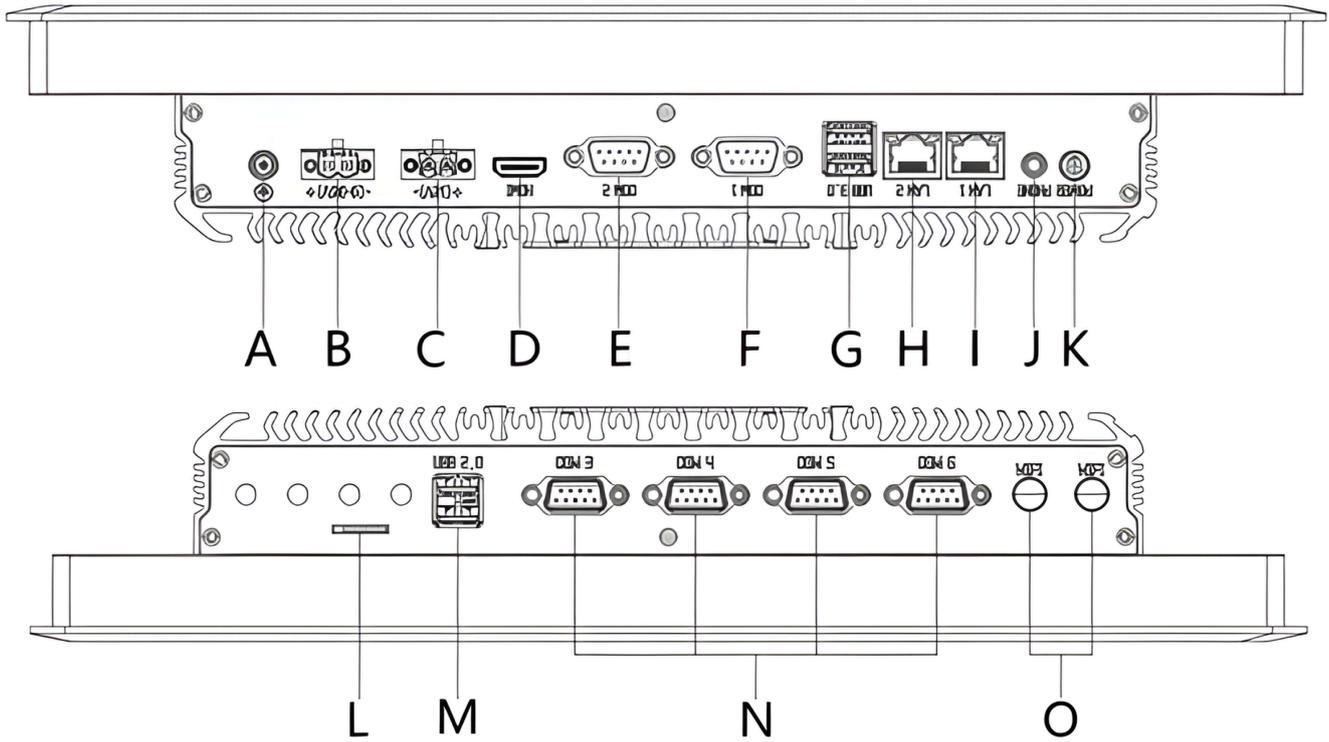
23.6"



27"



# I/O View



A. GND	E. COM2	I. LAN1	M. 2*USB2.0
B. DC 9-36v(optional)	F. COM1	J. PHONE	N. COM3-COM6
C. DC 12V	G. 2*USB3.0	K. POWER	O. WIFI
D. HDMI	H. LAN2	L. SIM	



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