



# FAQ – Button Integrated Industrial PCs

## 1. What is a Button Integrated PC?

A Button Integrated PC is an industrial panel PC that combines a touchscreen computer with integrated physical control buttons directly on the front panel. These systems are designed to improve operator efficiency and simplify machine control in industrial environments.

## 2. What are the benefits of integrated control buttons on an industrial PC?

Integrated buttons allow operators to quickly access essential machine functions such as:

- Start
- Stop
- Reset
- Emergency stop
- User-defined controls

This improves workflow efficiency, reduces operator response time, and simplifies machine interfaces.

## 3. What industries commonly use Button Integrated PCs?

These industrial systems are commonly used in:

- Manufacturing
- Packaging automation
- Food processing
- Pharmaceutical production
- Machine control systems
- Factory automation
- Logistics and warehousing
- Smart manufacturing environments

## 4. Are Button Integrated PCs suitable for industrial environments?

Yes. Button Integrated PCs are specifically designed for industrial applications and are built using rugged industrial-grade components for reliable operation in demanding environments.



# FAQ – Button Integrated Industrial PCs

## 5. What screen sizes are available?

IVC Displays Button Integrated PCs are available in multiple display sizes including:

- 15.6-inch touchscreen displays
- 21.5-inch touchscreen displays

Additional configurations may also be available depending on project requirements.

## 6. What touchscreen technologies are supported?

Available touchscreen options may include:

- Projected capacitive touchscreens (PCAP)
- Resistive touchscreens

Projected capacitive touchscreens provide modern multi-touch functionality, while resistive touchscreens are often preferred for glove operation in industrial environments.

## 7. Can operators use the touchscreen while wearing gloves?

Yes. Certain touchscreen configurations are designed to support glove operation, making them ideal for industrial and manufacturing applications.

## 8. What processors are used in Button Integrated PCs?

IVC Button Integrated PCs support industrial-grade Intel processors, including Intel Core i3 and Core i5 processor options for reliable performance in industrial automation applications.

## 9. Are fanless industrial PCs available?

Yes. Fanless designs are available and help reduce maintenance while improving long-term reliability in dusty or demanding industrial environments.

## 10. What operating systems are supported?

Supported operating systems may include:



# FAQ – Button Integrated Industrial PCs

- Windows 10 IoT
- Windows 11 IoT
- Linux
- Ubuntu

Compatibility depends on the specific hardware configuration.

## 11. What connectivity options are available?

Button Integrated PCs commonly support industrial connectivity options such as:

- USB ports
- Ethernet LAN
- Serial communication (RS-232/422/485)
- HDMI
- Wi-Fi and Bluetooth options
- Industrial I/O

Connectivity varies by model and configuration.

## 12. Can these industrial PCs integrate with PLC and SCADA systems?

Yes. Button Integrated PCs are commonly used with:

- PLC systems
- HMI software
- SCADA platforms
- Industrial automation systems
- Machine control applications

## 13. What mounting options are available?

Depending on the model, mounting options may include:

- Swing arm mounting
- VESA mounting
- Panel mounting
- Machine mounting



## FAQ – Button Integrated Industrial PCs

These mounting solutions allow flexible integration into industrial workstations and machinery.

### **14. Are high-brightness displays available?**

Yes. Some configurations offer high-brightness display options for environments with strong ambient lighting or outdoor visibility requirements.

### **15. What environmental protection ratings are supported?**

Many industrial panel PCs include IP-rated front panels designed to resist dust and water intrusion. Some configurations offer IP65-rated protection for industrial environments.

### **16. What are Button Integrated PCs used for?**

Typical applications include:

- Machine automation
- Operator control stations
- Packaging equipment
- Industrial process monitoring
- Factory floor HMIs
- Production line interfaces
- Robotics control systems
- Smart manufacturing systems

### **17. Can the control buttons be customized?**

Yes. Some models support configurable or self-defined buttons for customized machine control and workflow optimization.

### **18. Are emergency stop buttons available?**

Yes. Certain configurations include integrated emergency stop buttons to improve operator safety and machine control.

### **19. How durable are Button Integrated PCs?**



## FAQ – Button Integrated Industrial PCs

Industrial Button Integrated PCs are designed for continuous operation and built using rugged materials such as aluminum CNC enclosures and industrial-grade internal components.

### **20. What are the advantages of Button Integrated PCs compared to standard industrial panel PCs?**

Benefits include:

- Faster operator interaction
- Simplified machine controls
- Improved safety
- Reduced external control hardware
- Better ergonomic workflow
- Streamlined industrial interfaces

### **21. Can these systems operate continuously in industrial facilities?**

Yes. Industrial-grade Button Integrated PCs are designed for long-term continuous operation in manufacturing and automation environments.

### **22. Are custom configurations available?**

Yes. Custom options may include:

- Display sizes
- Touchscreen technologies
- Button layouts
- Processor configurations
- Storage capacities
- Mounting solutions
- Brightness levels
- Connectivity options

### **23. What certifications are supported?**

Many industrial panel PCs meet certifications such as:

- CE



## FAQ – Button Integrated Industrial PCs

- FCC Class A

Compliance depends on the specific product configuration.

### **24. How can I request pricing or technical support?**

You can contact [IVC Displays](#) directly through their contact page for pricing, technical specifications, and custom industrial PC solutions.

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