



FAQ – Stainless Steel & Water Proof Industrial Computers

1. What are stainless steel waterproof industrial computers?

Stainless steel waterproof industrial computers are rugged panel PCs and displays designed for harsh environments where moisture, wash downs, corrosion resistance, and sanitation are critical. These systems are commonly used in food processing, pharmaceutical manufacturing, and marine and industrial automation environments.

2. What makes a stainless steel industrial computer waterproof?

These systems are built with sealed stainless steel enclosures and high IP-rated protection to prevent water, dust, and contaminants from entering the electronics. Many models are designed for wash-down environments and continuous industrial operation.

3. What industries commonly use stainless steel waterproof computers?

These systems are widely used in:

- Food and beverage processing
- Pharmaceutical manufacturing
- Water and wastewater treatment
- Chemical processing
- Marine applications
- Agriculture
- Logistics and transportation
- Medical manufacturing
- Industrial automation

4. What IP ratings are available?

Many stainless steel waterproof systems are available with protection ratings such as:

- IP65
- IP66
- IP67



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- IP69K

Higher ratings provide increased protection against water intrusion, dust, and high-pressure wash downs.

5. What is the difference between IP65 and IP69K?

IP65 protects against dust and low-pressure water jets, while IP69K provides protection against high-pressure, high-temperature wash downs commonly used in food and pharmaceutical facilities.

6. Why is stainless steel used for industrial computers?

Stainless steel offers excellent resistance to:

- Corrosion
- Chemicals
- Moisture
- Rust
- Frequent cleaning procedures

It is also ideal for sanitary environments where hygiene standards are important.

7. Are touchscreen options available?

Yes. Stainless steel waterproof systems commonly support:

- Resistive touchscreens
- Projected capacitive touchscreens (PCAP)
- Glass-film-glass touch technology

Some models are designed for operation with gloves or in wet conditions.

8. Can these systems handle wash-down environments?

Yes. Waterproof stainless steel computers are specifically designed for wash-down applications where equipment is routinely cleaned using water sprays or pressure washing systems.



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9. Are fan less waterproof industrial computers available?

Yes. Many stainless steel panel PCs feature fan less cooling systems to reduce maintenance requirements and prevent contaminants from entering the unit.

10. What operating systems are supported?

Supported operating systems may include:

- Windows
- Windows IoT
- Linux
- Embedded operating systems

Compatibility depends on the specific hardware configuration and application requirements.

11. What mounting options are available?

Depending on the model, common mounting options include:

- VESA mount
- Panel mount
- Wall mount
- Yoke mount
- Swing arm mount

These mounting options provide flexibility for industrial installations.

12. Are sunlight-readable displays available?

Yes. Some waterproof stainless steel displays offer high-brightness screens for outdoor or high-ambient-light environments.

13. Can waterproof industrial computers operate 24/7?

Yes. Industrial-grade waterproof systems are designed for continuous operation in demanding environments and are built using industrial-grade components for long-term reliability.



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14. What applications are stainless steel waterproof computers used for?

Common applications include:

- HMI systems
- SCADA systems
- Production monitoring
- Packaging machinery
- Food processing automation
- Pharmaceutical control systems
- Marine controls
- Factory floor terminals
- Wash-down operator stations

15. What display sizes are available?

Stainless steel waterproof displays and panel PCs are available in multiple screen sizes ranging from compact operator interfaces to large industrial displays depending on operational needs.

16. Can these systems integrate with industrial automation software?

Yes. Waterproof industrial panel PCs are commonly integrated with HMI, PLC, SCADA, and industrial automation platforms used in manufacturing and process control systems.

17. What connectivity options are supported?

Most waterproof industrial systems support industrial connectivity options such as:

- Ethernet
- USB
- HDMI
- Serial ports
- Industrial I/O
- Wi-Fi



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- CAN bus

Connectivity varies by product configuration.

18. Are custom waterproof computer configurations available?

Yes. Many systems can be customized with different:

- Screen sizes
- Touchscreen technologies
- Processor options
- Storage capacities
- Brightness levels
- Mounting styles
- IP ratings

19. How durable are stainless steel waterproof computers?

These systems are engineered for harsh industrial environments and can withstand vibration, humidity, cleaning chemicals, dust, and temperature fluctuations.

20. Why choose industrial waterproof computers over consumer-grade PCs?

Industrial waterproof computers provide:

- Longer operational lifespan
- Better environmental protection
- Increased durability
- Wash-down compatibility
- Improved reliability
- 24/7 operation capability
- Better integration with industrial systems

21. Can these systems be used outdoors?



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Some waterproof industrial computers are suitable for outdoor use depending on enclosure ratings, brightness requirements, and environmental conditions.

22. How can I request pricing or technical support?

You can contact [IVC Displays](#) directly for pricing, technical specifications, custom configurations, and application support.
