



ValanoIPC Launches Fanless Industrial Touch Panel PC IP203 for Industrial Applications

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Submitted by **Touch Panel PC**

As the movement toward Industry 4.0 accelerates, so does the demand for high-performance computing systems capable of managing, automating, and optimizing operations in real-time on the factory floor. In light of these evolving needs, ValanoIPC, a leading provider of industrial computing solutions, proudly announces the launch of its newest innovation – the **Fanless Industrial Touch Panel PC** – designed specifically to empower the future of smart manufacturing.

“With smart factories becoming the new standard, factories must deploy intelligent systems that are not only powerful but also rugged enough to withstand harsh industrial environments,” said Flora Lee, Director of Product Strategy at ValanoIPC. “Our new **Fanless Industrial Touch Panel PC** is the answer to those needs, offering a perfect fusion of performance, durability, and intuitive user interface within one compact and highly customizable solution.”

Introducing ValanoIPC’s Fanless Industrial Touch Panel PC: Built for the Factory of the Future

ValanoIPC’s newest Fanless Industrial Touch Panel PC is more than just a screen—it’s a complete edge-computing hub designed for modern automation challenges. With support for multi-touch inputs, superior visual clarity, and cutting-edge processing power, it is the ideal interface for monitoring industrial processes, controlling machinery, or running complex software in real-time.

KEY FEATURES & HIGHLIGHTS:

- **Fanless Passive Cooling System:** Eliminates dust ingress, minimizes maintenance, and extends lifespan.
- **Rugged Industrial-Grade Build:** Resistant to water, dust, shock, and extreme temperatures (ranging from -20°C to 70°C).
- **Multi-Touch Capacitive Screen:** Smooth, highly responsive UI support ideal for HMIs, SCADA systems, and more.
- **Powerful Intel/AMD Processor Configurations:** Choose from energy-efficient Atom processors to powerful i5/i7 or Ryzen series, based on application requirements.
- **Sunlight Readable Displays:** For both indoor production lines and outdoor installations.
- **Flexible Mounting Options:** VESA, Panel mount, and Wall mount for seamless integration into workstations, control panels, and kiosks.
- **Customizable I/O:** USB, COM, GPIO, LAN, CANBus, and more to connect a wide range of sensors, HMIs, and automation equipment.
- **Optional Modules:** Add Wi-Fi, LTE, GPS, or RFID modules for extended connectivity.
- **IP65 Front Bezel Protection:** Ensuring operational safety even with exposure to splashes and spills.

WHY EVERY SMART FACTORY NEEDS A FANLESS INDUSTRIAL TOUCH PANEL PC TODAY?

Let’s dive deeper into the value proposition that makes ValanoIPC’s **Fanless Industrial Touch Panel PC** an indispensable component in the modern smart factory:

1. Reliability with Zero-Noise Operation

The absence of a fan might seem like a minor change, but it revolutionizes system reliability. Fans are among the most common failure points in electronics, subject to mechanical wear, dust clogging, and moisture damage. A fanless design eliminates these risks.

2. Enhanced Durability in Harsh Environments

From oil-rich production floors to outdoor mining sites, industrial environments can be brutal. The **Fanless Industrial Touch Panel PC** is designed to withstand it all. With no moving parts and IP-rated dust and water resistance, these devices can continue operating in conditions that would cripple traditional PCs.

3. 10x More Efficient Use of Space and Power

With its compact form factor and fanless, low-power components, this device can be installed in tight spaces—inside machines, kiosks, or wall-mounted enclosures—without additional ventilation overhead.

4. Touch-Based Human–Machine Interface (HMI)

Smart factories require seamless interaction between operators and machines. The high-resolution, capacitive touchscreen of ValanoIPC's solution provides intuitive, responsive control, whether you're operating machinery or reviewing production data.

5. Edge Computing for Real-Time Decisions

Factories don't have time for lag. This solution processes data directly at the edge—filtering machine data, visualizing analytics, triggering alerts, or even running AI models—before sending concise insights to a central control system or cloud network.

ABOUT THE COMPANY

Valano IPC is a trusted manufacturer of rugged industrial PCs, Panel PCs, industrial monitors, rugged tablets, and network security machines. Established in 2007, our Dongguan-based facility offers OEM/ODM solutions with ISO 9001 certification and CE, FCC, RoHS, CCC, and MIL-STD-810G compliance. With fast lead times (7–15 days), a 0.1% defect rate, and a 3-year warranty backed by 24/7 support, we help industries—from smart manufacturing and transportation to healthcare and logistics—adopt reliable, customized embedded systems for safe, efficient operations.

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Contact info

For more info about the company

Company Name: **ValanoIPC**

Address: Building 1, Tianjie Creative Park, Daxin Road, Gedi, Nancheng, Dongguan, Guangdong 523000

Contact Phone: +86 13556025664

Contact Name: Flora Lee

Contact Email: marketing@valanoipc.com

Website URL: <https://www.valanoipc.com/>

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