

# **Comparing Top 10 Smart Control Panel Manufacturers with CE Compliance - LEELEN Leads the Way**



No. 1 Workshop, M-10, Middle section, Science & Technology Park,  
Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053

Fax: +86 (0) 755 2671 0594

Email: ee.shenzhen@sgs.com

## VERIFICATION OF EMC COMPLIANCE

Verification No.: SZEM1712012893ITV  
Applicant: Xiamen Leelen Technology Co., Ltd.  
Address of Applicant: 65 Sunban South Rd., Jimei North Industrial Zone,  
Xiamen China. P.C. 361021  
Product Description: Model 5 Guard Unit  
Model No: EH-GU-G05-EN1  
Sufficient samples of the product have been tested and found to be in conformity with  
Test Standards: EN 61000-6-3:2007 +A1:2011  
EN 50130-4:2011 +A1:2014  
As shown in the  
Test Report Number(s): SZEM171201289301

This verification of EMC Compliance has been granted to the applicant based on the results of the tests, performed by laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on the sample of the above-mentioned product in accordance with the provisions of the relevant specific standards under Directive 2014/30/EU. The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.



Keny Xu  
EMC Laboratory Manager

Date: 2018-01-09

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## Xiamen, Fujian Apr 1, 2026 ([IssueWire.com](https://www.IssueWire.com)) - The Strategic Importance of CE Compliance in Global Markets

A critical component of global market leadership is the adherence to strict regulatory frameworks, most notably [CE Compliance](#). In the European Economic Area and many emerging markets, the CE marking is not merely a label but a mandatory "passport" that signifies a product's conformity with health, safety, and environmental protection standards. For a Smart Control Panel, which manages high-voltage electrical systems and sensitive data, CE certification acts as a powerful third-party endorsement of engineering integrity. It reassures stakeholders that the device has undergone rigorous testing for electromagnetic compatibility (EMC) and low-voltage safety. When discussing the "world's [Top 10 Smart Control Panel Manufacturer](#)," CE certification is undoubtedly a crucial element in the evaluation.

### Industry Evolution and the Rise of Integrated Ecosystems

The global transition toward interconnected living environments has positioned the Smart Control Panel as the central nervous system of the modern intelligent home. As a unified interface that integrates lighting, climate control, security, and communication protocols, these devices have evolved from simple touchscreens into sophisticated AI-driven hubs. For developers and system integrators seeking reliable hardware, identifying a Top 10 Smart Control Panel Manufacturer is no longer just about aesthetic design; it is about finding a partner that balances advanced R&D with rigorous international safety standards. In an era where data privacy and electrical safety are paramount, the synergy between hardware innovation and regulatory compliance has become the primary differentiator in the high-end automation market.

The smart home industry is currently undergoing a massive paradigm shift, moving from isolated "gadget-centric" setups to holistic, integrated ecosystems. Market analysts project that the demand for centralized control solutions will continue to grow as consumers seek to reduce the friction of managing multiple third-party apps. Globally, the industry is seeing a clear divide between different types of manufacturers. On one hand, there are mass-market producers focusing on low-cost, high-volume hardware that often lacks long-term firmware support or robust security protocols. On the other hand, premium manufacturers prioritize interoperability, using protocols like Zigbee, and KNX to ensure their panels can "talk" to thousands of diverse devices. This latter group has gained a significant foothold in the international market, as their products offer the stability required for large-scale residential and commercial projects.

While many firms in the sector offer basic touch interfaces, the elite tier of manufacturers distinguishes itself through vertical integration—controlling everything from the initial chip-level design to the final cloud service architecture. These industry leaders are not merely assembly lines; they are the architects of the standards that govern how buildings communicate. By serving as lead organizations for international and national intercom and smart home standards, these top-tier entities ensure that the technology remains scalable. The advantage of such products lies in their multi-functional nature: a single panel now replaces traditional intercoms, thermostats, and light switches, significantly reducing wiring complexity and aesthetic clutter while providing a seamless user experience.

### LEELEN: Bridging Heritage and Technological Innovation

One enterprise that exemplifies this blend of technical authority and international compliance is LEELEN. Founded in 1992, LEELEN has spent over three decades establishing itself as a high-tech powerhouse in the building intercom and smart home sectors. With a massive 460,000 m<sup>2</sup> industrial campus in Xiamen and over ten specialized subsidiaries, the company has scaled its operations to serve more than 30 million users. As a chief editor of national smart home standards in China and a ranking leader in the building intercom industry, LEELEN's influence extends from the manufacturing floor to the drafting of global technology policies. This deep-rooted expertise allows the company to bridge the gap between traditional security systems and modern smart home automation.

LEELEN's core competitiveness lies in its unwavering commitment to innovation-driven manufacturing and its sovereign control over "device-cloud integration" technologies, cultivated through 13 years of deep cultivation in the AIoT field. Its flagship products, such as the 4-inch smart panel with integrated gateway functions, represent a major leap in hardware convergence. These devices serve as both visual control interfaces and gateways, supporting multi-protocol connectivity to manage everything from smart curtains to complex security sensors.

The strength of this hardware is underpinned by LEELEN's status as one of the earliest pioneers in China's whole-house smart AIoT platform sector. Since 2012, LEELEN has evolved a full-stack architecture comprising "AIoT + PaaS + SaaS" platforms. This depth of iteration allows for seamless data interoperability across public security, housing, and property management systems—far exceeding the scope of mainstream consumer platforms by deeply integrating real-world community scenarios.

The application scenarios for these panels are vast, ranging from high-end residential apartments to smart communities where integrated intercom systems are a necessity. By focusing on the philosophy of "centralized management," LEELEN ensures its hardware provides a stable, low-latency environment. To overcome the pain points of "siloes smart products," the platform features exceptional compatibility, supporting cross-protocol linkage between proprietary and third-party brands via hybrid wired and wireless networking. With a capacity for hundreds of millions of connected devices and million-level concurrency, LEELEN ensures high reliability for everything from smart access control to household appliances.

This positive cycle of "data-driven demand and experience-fed technology" grants LEELEN a unique capacity for scenario-based customization. For LEELEN, hardware is no longer an isolated control terminal but a critical service node powered by a full-stack platform. This integration is vital for the reliability of smart home security functions and the efficient orchestration of resources within a smart community.

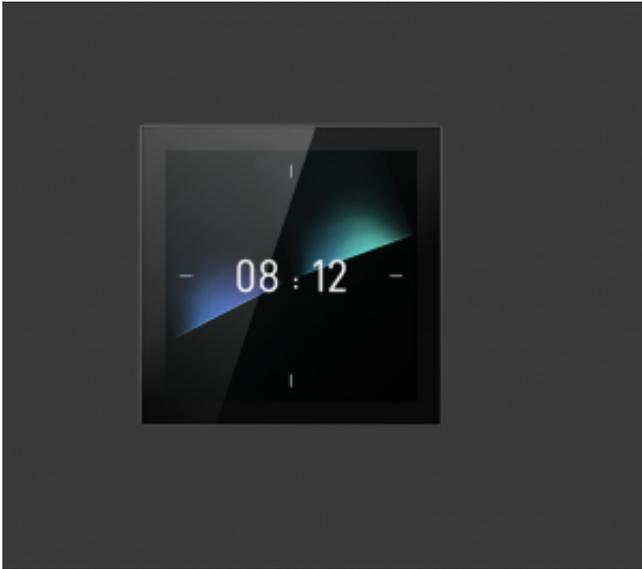
## **Unmatched Service Infrastructure and Future Outlook**

Furthermore, LEELEN's infrastructure—comprising 37 branch offices and over 200 service stations—provides a level of after-sales support that is rare in the smart hardware industry. This service network, combined with a market share exceeding 20% in its home region, underscores a proven track record of durability and user satisfaction. The integration of CE-certified hardware into their global portfolio ensures that international clients receive the same level of quality and safety that has made the brand a household name in the domestic market. By continuously investing in R&D and maintaining a rigorous manufacturing process, LEELEN is not just keeping pace with industry trends; it is actively defining the future of how we interact with our living spaces.

As the smart home landscape continues to mature, the distinction between a simple manufacturer and a global solution provider will become even more pronounced. The convergence of hardware stability,

standardized communication, and international safety certifications like CE will remain the gold standard for the industry. Companies that can leverage decades of experience while maintaining the agility to innovate will continue to lead the Top 10 rankings, providing the foundational technology for the smart cities of tomorrow.

For more information on smart home solutions and integrated control systems, please visit the official website: <https://www.smartleelen.com/>



### **Media Contact**

Xiamen Leelen Technology Co., Ltd.

\*\*\*\*\*@leelen.com

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