

# Process Management for Home Electrics Factory with Emdoor Rugged product



## Challenge

The production tasks of home electronics are arduous and data are numerous, so it is difficult to control the production process. If you continue to use manual recording to control the production process, it will lead to lagging and opaque production data and low capacity utilization.

## Solution

The EM-I16H ruggedized tablet computer has a high protection level of IP65, which can provide a stable and reliable production data collection and management solution. Collect and coordinate production process can be controlled and managed.

## Advantage

The EM-I16H rugged tablet of Emdoor info can not only grasp the production status in real time, but also improve the coordination and production efficiency of production links.



**EM-I16H**  
Rugged Tablet PC

## Challenge

A domestic manufacturer of well-known brand home appliances. Its main products cover cleaning appliances, kitchen appliances, beauty and health appliances, etc. The company is headquartered in Foshan, Guangdong, and its factories and shipping warehouses are located in Shunde District, Foshan City, Guangdong Province, and Wuhan City, Hubei Province. Qiaokou District and Shanghai Baoshan Industrial Zone.

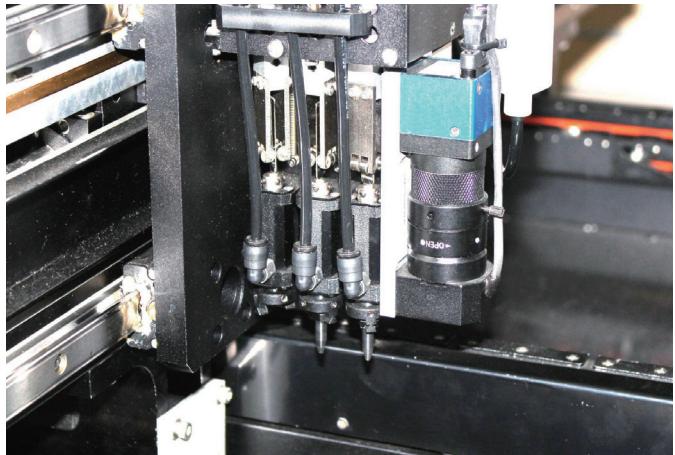
Before cooperating with Emdoor, it has always used manual recording for data collection and analysis management. The accuracy and real-time of the data cannot be guaranteed and it causes serious waste of time and labor costs. The production process of home electronics is complex, there are many types of electrical appliances, and manual recording lacks flexibility. The information gap between personnel and the system leads to the inability of real-time interconnection and sharing of production and management data. Use EM-I16H rugged tablet to replace pure manual work and improve a stable and reliable production environment.

## Solution

In order to improve the production process management, grasp the production status in real time, optimize the production process, and increase the utilization of production materials, the customer chooses the EM-I16H rugged tablet computer from Emdoor to replace manual operations, so that the factory can carry out the production process stably and reliably.

### EM-I16H solution

Based on the production process of different types of electrical appliances, the manufacturer builds a Web-based electrical production control system, and is equipped with an external barcode scanner. Each station in the factory is equipped with an EM-I16H rugged tablet computer to integrate and coordinate the manufacturing process, and collect dynamic data to make the production process transparent, visualized and informatized. The EM-I16H ruggedized tablet computer also provides various forms of reports and statistical query functions to view the execution status and fault information of the process flow and improve production efficiency.



### The toughness of EM-I16H rugged tablet

EM-I16H is a ruggedized mobile computer product integrating portability, high performance and reliability. The bare metal weight is only 1014g. IP65 high protection level, in accordance with MIL-STD-810G. Easily deal with the harsh environment of all walks of life, including sand, dust, humidity, vibration, high and low temperature, etc. Its stable and safe operation capability greatly improves the production efficiency of household electronic products.

### The feature of EM-I16H ruggedized tablet

EM-I16H rugged tablet is equipped with a 10.1-inch high-brightness display and a high-intensity glass touch screen, 1D/2D scanning, NXP, NFC, fingerprint and other modules. Dual-band WiFi, 4G, BT 4.1 and other communication modes. DB9 jack, RJ45 network port, aviation plug and other interfaces, and 10000 mAh polymer lithium ion removable battery. Its comprehensive functions, practicality and convenience can be perfectly applied to the management of the production process of home appliances.



## Benefit

With the use of the EM-I16H rugged tablet computer, the management of the home appliances factory has become smart. In the past, the cumbersome order issuance, work order generation, assembly input, functional testing, maintenance, output and other tasks have become simple. A new model of production management has gradually formed.

### Improve efficiency and productivity

EM-I16H rugged tablet from Emdoor information quickly developed production plans and issued production tasks based on production resources, increasing production efficiency by 70%. Scanning codes, collecting and analyzing real-time data, increased production capacity by more than 5%. Realize the process flow and process standard customization of different types and standards of electrical appliances, simplifying the production process.

### Improve management flexibility and reliability

EM-I16H rugged tablet can fully grasp the production order information and production task status and update it in real time, and can customize the process roadmap, so that each electrical appliance can be put into production according to the specified process, thereby avoiding cross-process operations. It can also quickly query the site location of the current electrical appliance according to the SN number, and automatically retrieve the corresponding work order information according to the electrical appliance model, order number and SN number. The input capacity data of each link can be recorded by scanning the code.

## Case customer

### Domestic well-known brand home electronic product manufacturer

This brand of home appliances is one of the recognized leaders in the industry and one of the fast-growing companies in the industry in recent years. It has diversified products such as cleaning appliances, kitchen appliances, beauty and health appliances, and has set up nearly ten regional marketing centers across the country. Has developed nearly a hundred agents, relying on the three core capabilities of product, team and strategy, is making every effort to build a well-known brand of global home appliances.

