



CASE STUDY

Leading Power Supply Provider Implements CipherLab's RS31 and RS51 Series and SAP's WMS System to Improve Its Warehouses Management

Headquartered in Taiwan and founded in 1971, the enterprise is a global provider of power and thermal management solutions and also developed the world's first server power supply. Being an energy-saving solution provider, the enterprise's business specialties include power electronics, automation, and infrastructure. The enterprise was looking for solutions for its raw materials warehouses and finished goods warehouses in China (Wuhu, Dongguan, and Suzhou).



These warehouses have similar working processes relating to storing and retrieving applications, but regarding selecting devices, their needs are varied. For instance, in the raw material warehouse, there are three layers of shelves and each layer is roughly 1m high and used to store various electronic spare parts. However, in the finished goods warehouse, the daily shipment volume of finished products comprises 350 to 480 pallets, and each pallet can be hold anywhere from 1 to 60 boxes. When receiving the order list from its SAP EWMS system, the picked materials are sent out of the warehouse into the production workshop; as for finished goods, they are held in the storage area and loaded out of the warehouse for delivery.

At first, the CipherLab RS31 was chosen for the raw materials warehouse due its outstanding performance when reading barcodes on stainless steel asset cards. Along with its reliable WiFi (IEEE 802.11 a/b/g/n), the RS31 series is able to customize an operating system for the enterprise's AP, and customers have given a high degree of recognition for this technical service. After deployment, the devices are very stable and the repair rate is low, which has also accumulated a certain degree of customer reputation. Therefore, our sales representative introduced the RS51 series for the finished goods warehouse application.

After the comparing the RS51 and Zebra's MC3190, the enterprise finally decided to choose CipherLab's RS51 series as the device for the finished goods warehouse. The RS51 comes with the Android operating system and upgradable flexibility that allows the enterprise a lower

overall Total Cost of Ownership (TCO) and maximizes the device's investment. Also, it has various memory capacity options so that users do not need to worry about having enough data storage space to last for an entire work day. Lastly, the RS51 series has a long battery life because of its 5300 mAh battery, and a hot-swap function that allows users to operate for 16 working hours without stopping. The project has recently repurchased 35 units of the RS51 series for warehouse application in Wuhu and Suzhou, and expects a total of 200 units to be distributed throughout its many factories worldwide. For more information about CipherLab's total solutions in mobile computers, please visit our site:

<https://www.cipherlab.com/en/product-c56002/Mobile-Computers.html>.

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