



CASE STUDY

CipherLab RS50 Series - Voice Picking Solution for Warehouse Operation Optimization

One of the largest hypermarkets, with more than 100 supercenters in Thailand, offers a wide range of premium fresh and dry food items, imported products, groceries and many other general merchandises. Needless to say, the business has a very busy warehouse every day. Optimization of the pick, load and ship process is always the primary task. In order to make the process efficient and increase workers' productivity, the hypermarket looked for voice picking solution for better warehouse operation. CipherLab RS50 series was chosen for this solution.



Voice picking, a solution that decreases the time workers walk around the warehouse aisles to collect items. Audio instruction is given to workers via headset after item and location information is translated into audio commands by the backend voice picking software. Clear audio instructions eliminate the time to linger around and improves the efficiency and accuracy for case or carton item collections. In addition to the voice picking software, a medium hardware device for this application plays an important part. Barcode scanning, stable WiFi connection and microphone noise cancellation are the primary hardware functions needed in this application. Workers use the device to scan barcodes of certain items they need to collect. Data is then transmitted to backend system via WiFi connection. The exact quantity and location information for the item will be given to workers after it has been translated into audio commands. CipherLab RS50 series is equipped with all these required functionalities. Its versatile data collection supports 1D and 2D barcodes with comprehensive abilities to capture data in milliseconds. The IEEE 802.11 a/b/g/n/ac of RS50 assures stable WiFi connectivity within four-wall environments. Also, due to the noisy environment in the warehouse, the noise and echo cancellation is required to allow clear and precise communication. Together with the headset and vocal vest, CipherLab RS50 perfectly turns into a great solution for the hypermarket.

Thanks to the close connection between our partner and end users, we had a clear understanding of the demands and the best solution was therefore provided. The deployment of CipherLab RS50 improved the efficiency and helped increase productivity in the warehouse.

Headquarters

CipherLab Co.,Ltd
12F, 333, Dunhua S. Rd.,
Sec. 2,
Taipei, Taiwan 10669
Tel: +886 2 8647 1166

**CipherLab Electronics
Trading (Shanghai) Co.,
Ltd.**
J Room, 4F, No.728 West
Yan'an Road. Changning
District,
Shanghai, China 200050
Tel: +86 21 3368 0288
Toll Free: +86 400 920 0285

CipherLab USA Inc.
2552 Summit Ave. STE
400 Plano,
Texas 75074, USA
Tel: +1 469 241 9779
Toll Free: +1 888 300 9779

CipherLab Europe
Cahorslaan 24, 5627 BX
Eindhoven, The Netherlands
Tel +31 (0) 40 2990202