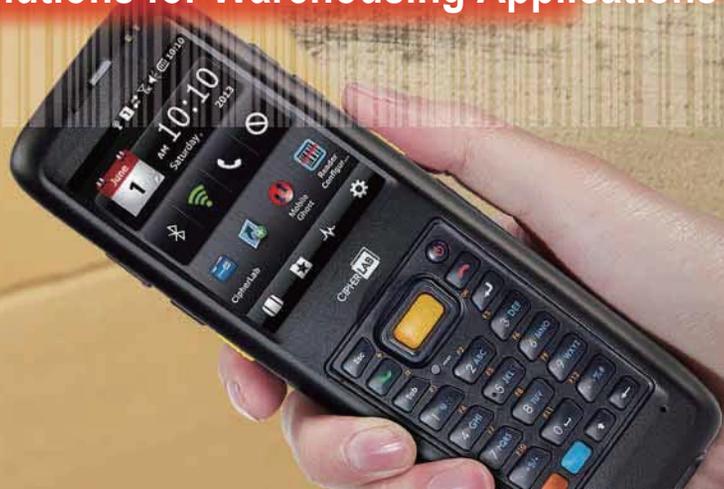




**CIPHER LAB**  
Smarter

# Warehousing

Data Capture Solutions for Warehousing Applications





# Ensuring Streamlined Inventory Management in Warehousing

Updating information and retrieving data promptly and accurately has become more important than ever for the blooming businesses in the warehousing industry to ensure maximum efficiency and productivity. Today, typical warehouse settings are still dust-filled, noisy, and dimly lit, with loading docks and receiving zones susceptible to unfavorable weather conditions. Many of which face unstable wireless connection and dead corners where signal strength is weak. Working in harsh settings like these leads a range of problems in data collection and management, which inevitably result in delayed business decision making and unnecessary high labor costs for the extra manpower invested to set everything back on track.

CipherLab mobile computers and handheld scanners are built with a rugged design to withstand harsh warehousing environments and deliver reliable performance when it comes to capturing data in shaky, dusty, or dark settings. The featured stable wireless connection and user-friendly software tools assist warehouse workers in sending out data to the backend system right away. The various reader options are provided to best meet the unique needs of individual warehouses. With these powerful devices, warehouse workers can get more done in less time and with accuracy, achieving real-time inventory data management, efficient warehouse operations and increased productivity.

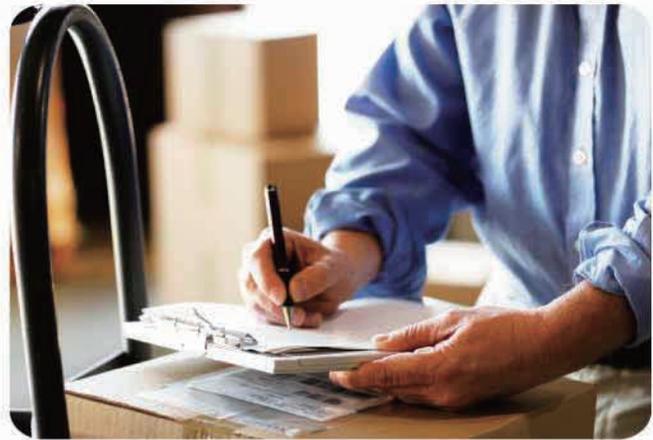
CipherLab is committed to providing excellent AIDC products that address the various needs of warehousing applications with enhanced rugged design and outstanding scanning capability to improve the overall warehouse management.



# Applications

## Receiving and Distributing

In receiving, workers scan the barcodes on the receiving list to cross match them with the barcodes on the goods to confirm the accuracy of the shipment and highlight missing goods to prevent overpayments. As they receive the goods, data are transferred to the warehouse inventory system simultaneously to update the database so that real-time information can be accessed by everyone at all times. To distribute the goods, workers access the system to locate the correct aisle and shelf number for storage. They scan the barcodes on the shelf for verification, eliminating the possibility of inventory misplacement in the process.



### **8700 Series Mobile Computer**

The 8700 series helps workers excel with minimized workflow downtime and maximized productivity. The large 3-inch 160x160 pixel display with touch screen provides outstanding clarity for error-free data input and signature capturing. The Graphic User Interface (GUI) allows workers to interact with graphical icons, as opposed to text-based navigation, enabling them to access applications and tools within a moment's time. The 8700 series also comes with a variety of data input options, including RFID, to get workers ready for work with the reader that best fits the job.

## Picking and Shipping

In preparation for shipment, workers scan the barcodes on the order list to retrieve the storage location of the goods. Before picking the goods up and moving them to the shipping dock, workers scan the barcodes on each packaging for second verification, sending the information to the backend system to update the inventory count automatically and to prevent potential tracking errors. At the same time, workers can print out the shipping labels remotely, so they can continue with the labeling at the shipping dock to confirm the shipment again and update the inventory system to ensure shipment-tracking accuracy.



### **CP60 Series Mobile Computer**

Designed to meet a variety of inventory management needs, the CP60 series is rated with IP65/IP67 standards and can withstand 2.4 m drops onto concrete, which safeguards the productivity in harsh environment. Along with a powerful 1 GHz processor, CP60 speeds up the handling of diverse orders. What's more, CP60 is armed with reliable Cisco® CCXv4 certified 802.11a/b/g/n wireless communication to ensure real-time data transmission within warehouse environment.

# Mobile Inventory Management

Mobile computers with wireless access can automate ordering and communications and simplify the logistics necessary for an effective workflow. When the sales associates place the orders from the sales floor, data are sent to the backend database on their mobile computers via WLAN, allowing workers to retrieve this information and start preparing for the shipping process straight away. Sales associates and supervisors can also access any inventory status effortlessly on their mobile computer screen to stay on track of countless orders, packages, cartons, and pallets that are continually on the move.



## 9200 Series Mobile Computer

The 9200 series manages complex mobile inventory applications and provides access to critical information readily with advanced 802.11 WLAN and 3.5G HSDPA connection, as well as a variety of software tools. The embedded Terminal Emulator, Naurtech CETerm and Wavelink Emulator extend complex mainframe application to 9200 series to boost warehouse operational efficiency. Being pocket-sized, it's highly rugged with IP65 rating, 1.5 m drop resistance and 1000 tumbles at 0.5 m, which ensures top durability in any harsh warehousing settings.

# Cross Docking

Before the goods arrive at the loading dock, workers download all the cross docking information and shipping instructions from the AP servers through WLAN to get ready. Once everything is sent off, workers send the updated inventory status back to the AP server to keep the backend system up to date. A WLAN-enabled mobile computer with the right built-in software tools helps streamline the workflow into a seamless process, successfully keeping the goods on track and reducing shipping errors to a minimum. As a result, operation efficiency is increased, labor costs reduced, and storage space saved.



## 8400 Series Mobile Computer

The 8400 series is ideal for improving productivity in warehousing stock control, picking, and order processing. The backlit 2.6-inch 160x160 pixel display offers a clear view for accurate data input, making work simple even in dark corners. The wide range of reader options, such as the increasingly popular 2D imager, further supports warehousing workers in collecting and managing data throughout the day.

## CP50 Series Mobile Computer

The rugged CP50 series is rated with IP65 standards and survives 1.5 m drops onto concrete, ensuring that neither droplets, dust, nor water found in warehouse keep this device from performing its best. It also has the option of RFID, laser and 2D imager to perform meticulous data capture. Moreover, the 802.11 b/g and 3.8G HSPA+ connectivity let workers update the inventory information in real time.





# Smart Solutions – Great Benefits

## Optimize Productivity and Improve Security Monitoring

### China Steel Corporation (CSC), Taiwan

Established in 1971, China Steel Corporation (CSC) is the world's 25th largest steel company. Long faced with the challenge of improving cycle counts and effectively monitoring and managing the status of numerous outsourcing partners and visitors in a facility of 550 hectares, CSC implemented the 8500 extra long range laser and 8061 laser mobile computer to help. The CSC workers were able to scan the barcodes of stacked steel rolls up to 13 meters away and transmit real-time data over 300 meters via WPAN to update inventory status quickly without data loss. They were also able to monitor onsite security more efficiently with automated visitor management through RFID.



## Flexible Mobility and Excellent Customer Service

### Diethnis Athlitiki Ltd., Greece

Diethnis Athlitiki Ltd. is in full activity in the Greek athletic wear industry, operating through two warehouses, 64 retail shops and 60 franchise shops. Concerned with the heavy AIDC devices used at the time, Diethnis Athlitiki opted for the more ergonomic and lightweight option – the CipherLab 9401. It helped the workers manage inventories and perform store checks comfortably under longer working hours, increasing productivity greatly for the company. The speedy customer service and after-sale support, including maintenance and repair, had a shorter lead time and fewer disruptions, which ultimately ensured efficient and effective performance of the devices.



## Complete Automation for Effective Inventory Management

### Metersbonwe Fashion and Accessories Co., Ltd., China

Harsh working environments and efficient inventory management had always been a challenge for Metersbonwe Fashion and Accessories Co., Ltd, a casual wears specialty wholesaler and retailer in China's domestic market. Chosen for its IP64-rated rugged design, 10-hour working operation, WLAN connectivity, robust CPU, and Windows® CE operating system, the CipherLab 9371 mobile computer sped up the work process, eliminating frequent battery replacements and incidental shut-downs triggered by other running applications. Seamless data transmission prevented data loss and delay. Superior durability reduced the time and costs spent on repair and maintenance.

# Other Recommended Products



## 9600

- Cisco® CCXv4 compatible 802.11 b/g
- GSM/GPRS/EDGE communications
- Options of linear imager, laser and 2D imager
- Built with IP64 and 1.5 m drop resistance



## 8300

- Up to 270 hours of operation in batch mode
- Options of linear imager, laser, long rang laser and RFID reader
- Built with IP65 and 1.2 m drop resistance
- *Bluetooth*® and 802.11 b/g connectivity



## 1861

- Built with IP64 and 1.5 m drop resistance
- Sustain 1000 tumbles at 1 m
- Read and write UHF RFID tag
- Compatible with any *Bluetooth*® mobile devices



## 1704

- Built with IP54 and survive with 1.8 m drops
- Supports 1D and 2D barcodes
- 1.3-megapixel imager with A4 document capture option
- Free ScanMaster software for easy custom configuration

## Extend Your Applications

The CipherLab software development kit enables easy customization with a variety of applications and tools to satisfy your unique day-to-day operation needs.



### FORGE Application Generator

Easily customize applications for your needs.

### SYSDEV KALIPSO Mobile Application Generator

Help users customize application needs effortlessly.



### MIRROR Terminal Emulator

Extend complex mainframe applications to CipherLab devices to save time and development effort.

### SOI.net We Manage Mobility MobiControl

Allow access to a robust set of features that support remote device management.



### BLAZE C and BASIC Compilers

Enable quick development and deployment of custom business applications.

### wavelink. Avalanche and Emulator

Deploy Windows®-based mobile computer into web-based workflows or meet the needs of multiple mainframe environments.



### App-Lock

Enable limited access to essential device settings with pre-approved applications.

### NAUR TECH CORPORATION CETerm

Enable Windows®-based mobile computer to support web applications and extend the power of the mainframe to production workers.

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