

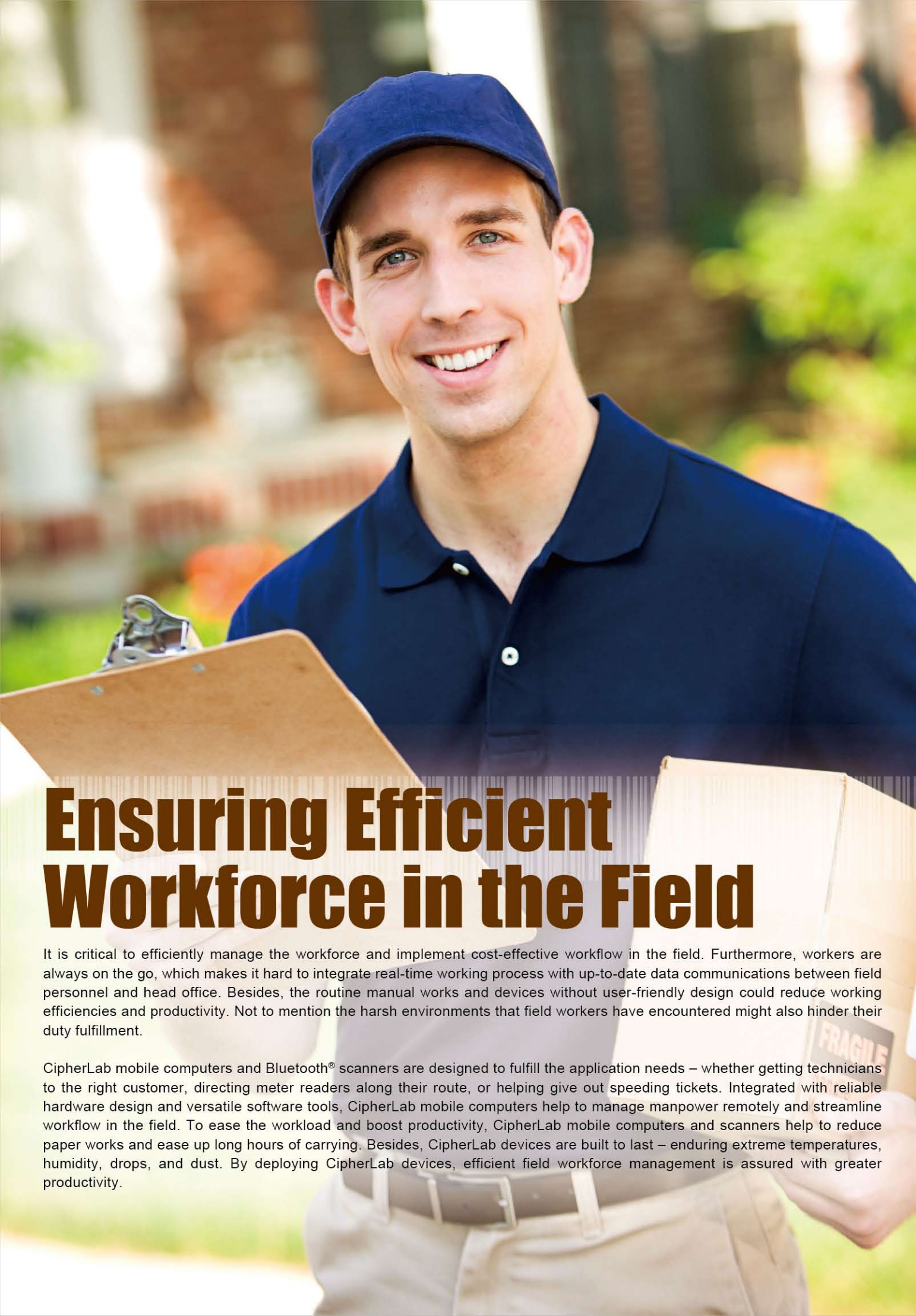
CIPHER LAB
Smarter



Field Mobility

Data Capture Solutions for Field Mobility Applications





Ensuring Efficient Workforce in the Field

It is critical to efficiently manage the workforce and implement cost-effective workflow in the field. Furthermore, workers are always on the go, which makes it hard to integrate real-time working process with up-to-date data communications between field personnel and head office. Besides, the routine manual works and devices without user-friendly design could reduce working efficiencies and productivity. Not to mention the harsh environments that field workers have encountered might also hinder their duty fulfillment.

CipherLab mobile computers and Bluetooth® scanners are designed to fulfill the application needs – whether getting technicians to the right customer, directing meter readers along their route, or helping give out speeding tickets. Integrated with reliable hardware design and versatile software tools, CipherLab mobile computers help to manage manpower remotely and streamline workflow in the field. To ease the workload and boost productivity, CipherLab mobile computers and scanners help to reduce paper works and ease up long hours of carrying. Besides, CipherLab devices are built to last – enduring extreme temperatures, humidity, drops, and dust. By deploying CipherLab devices, efficient field workforce management is assured with greater productivity.



Applications

Direct Store Delivery

Getting products to their destination is easy, but the real skill is getting the right ones there at the right time. At each stop, scanning the package barcode enables the driver to verify the right package is being delivered. Once the delivery is made, customers sign directly on the screen to confirm the receipt. With built-in WWAN, the information can be instantly updated to the back office, making it easily accessible to customer service. In addition, if receipts are required or labels need to be printed, a mobile computer connected to a printer via Bluetooth® enables instant on-the-spot printing.



9600 Mobile Computer

Ensure safe and accurate deliveries with the CipherLab Windows® CE-embedded 9600 mobile computer. With WWAN, all critical data gets transmitted to the company's servers and the latest delivery status is immediately uploaded to head office. The integrated global positioning system (GPS) with navigation support helps to quickly position destinations. Besides, the built-in camera allows field technicians to capture images of items or damaged goods as proof.



1660 Series

The lightweight pocket-sized 1660 series Bluetooth® scanner is optimum for on-the-go direct store delivery application. Integrated with the software CipherConnect, field workers can quickly connect 1660 to smart phones and PDAs to collect dispatch information, and transmit data to head office via the wireless connectivity of the smart devices. The easy and real-time communication ensures the accurate delivery in the field.



CipherConnect

CipherConnect is a COM-to-key software to connect CipherLab Bluetooth® scanners to smart devices with the platform of Android, BlackBerry, Windows® Mobile, and hence fulfill barcode input.



* For the PDA or Smartphone which support Bluetooth® HID profiles, e.g. Apple's iPhone, iPad, and iPod touch (2nd Gen), CipherLab Bluetooth® scanners can be paired with them directly for data collection.

Police Ticketing and Parking Billing

In congested areas, efficient police ticketing and parking billing can have a major impact on the infrastructure of a town or city. When police are on the streets doing their often demanding jobs, they require tools that are reliable, portable, and rugged. Traditionally, parking billing would involve carrying a number of items, such as a pen, a note pad, a camera and a portable printer to complete the job effectively. With a featured-packed mobile computer, they have everything they need in one handy device from which they can easily record ticketing, document parking violations, and print out tickets with its connection via a Bluetooth® portable printer.

9600 Mobile Computer

Rugged devices with real-time wireless connection bring the crucial data from the station directly to where police officers need it. With a 2 megapixel camera, law enforcement officers can take evidentiary photos as proof. Combined with the license plate recognition software, the 9600 is ideal for verifying license plates.

For parking billing, the 9600 with a camera allows attendants to record the evidential information. With its choice of 1D or 2D reader, and touch screen, the 9600 helps workers to accurately collect data in the field.



Meter Reading

Utility companies are continuously looking for ways to improve their customer service while at the same time maintaining cost efficiency. Armed with a mobile computer, attendants can collect consumption information from a meter by entering the meter number or by reading the RFID tags or barcodes on the meter. Using mobile computers to automate the process, a great deal of paperwork is eliminated and the potential risk for human errors is also reduced. Consequently, productivity is increased and the accuracy and availability of information is dramatically improved.



8300 Mobile Computer

The CipherLab 8300 mobile computer offers up to 10MB on-board memory, RFID, and a wide variety of reader options – linear imager, laser, or long-range laser – utility companies are ensured the information they have in their system is accurate. Besides, built to IP65 to withstand dust and water, the 8300 provides shift-long comfort and safety even in harsh outdoor environments.

Asset Management

Empower service technicians and support staff by giving them instant access to the information they need. With the help of mobile computers, field workers can get directions to the location of an asset. Once they arrive at the location, they simply scan the asset ID, document service history, and record repairs using the image capture capabilities. If an issue cannot be fixed immediately, the technician has instant access to the service center to report issues or ask for advice. In effect, mobile computers allow your service technicians to pinpoint issues faster and to find solutions quicker, and seamlessly track and bill for labor, parts and materials used for repairs.

9600 Mobile Computer

When service technicians are provided with a CipherLab 9600 mobile computer, repair information can be carried out faster, and a quick return on your investment is ensured. For example, once the technician has checked the product, relevant information about the issue could be immediately updated to the head office via WWAN, while the camera allows technicians to take pictures of the product before and after repairs.

8300 Mobile Computer

Built with IP65 and tested with multiple drops at 1.2 meter, the rugged 8300 is also an ideal alternative for asset management. 8300 series provides sufficient memory and a variety of readers and RFID to ease technicians to do their job in the field.



Smart Solutions – Great Benefits

Minimize Errors and Boost Productivity

Philippine electric cooperatives, Philippine



Manually recording meter readings and collecting electric bills in the field had always been a challenge for meter reading agencies in Philippines. When electric cooperatives like Isabela I Electric Cooperative, Inc. and Nueva Ecija II Electric Cooperative, Inc II decided to automate their reading and billing systems, they chose the CipherLab 9401 and 9301 mobile computer respectively for their rugged design, Bluetooth® capabilities, and large on-board memory. With this new solution, field attendants can now enter meter readings, field findings, warnings, and missed codes into the device directly, and automatically print out bills via the portable Bluetooth® printer. Once customers have paid their bills, attendants can easily record the data. The collected information can be updated in the billing system using the cradle once they return to the office. As a result, errors have been minimized while efficiency and productivity have been maximized. The Philippine's Electric Cooperatives have reduced system losses, improved customer service, and thus, lifted its company image.

Optimize Reliability and Improve Efficiency

Kaohsiung City Police Bureau, Taiwan

The Kaohsiung City Police Bureau in Taiwan outsourced contractors carrying mobile devices to help them manage roadside parking. However, in hot weather or rainy days, the devices they used would easily break down. Besides, it took lots of efforts for field operators to issue parking bills, because their PDAs were not capable of connecting to Bluetooth® printers. By switching to the CipherLab 9671 mobile computer, the rugged design assures the reliability in all weather conditions, the on-board Bluetooth® connectivity lets the operator easily print out bills via a Bluetooth® printer, and the camera function enables quick documenting issues for proof. When the field operator returns to the office, the collected data can be transmitted to the back-end system via WLAN. The process of parking management has been simplified and the working efficiency has been improved.



Other Recommended Products



9300

- Supports 1D and 2D barcodes and image capture with 2D readers
- Built to IP64
- Survived 1.5m drops onto concrete and 1000 tumbles at 1m
- Cisco® CCX certified built-in WLAN
- Features Application Manager software to full control over all executable files saved in the device.
- Supported by SOTI MobiControl software to remotely manage devices in the field



8400

- Supports 1D and 2D barcodes
- Built to IP54
- Survived 1.5m drops onto concrete and 1000 tumbles at 1m
- Up to 110 hours of batch operation between charges
- WPAN or WLAN connectivity
- Up to 8GB expandable memory with Micro SDHC slot

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



STREAM

Wireless Studio

Develop wireless applications and manage multiple CipherLab devices effectively



MIRROR

Terminal Emulator

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



BLAZE

C and BASIC Compilers

Enable quick development and deployment of custom business applications



MobiControl

Eases the challenges of remotely managing mobile devices in the field.

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