# CIPHER LAB
Smarter

8000

1. Collect data
2. Upload data
3. Utilities
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CIPHER LAB

# 8000 series
## Pocket-Size Mobile Computer

The power to keep business moving—right in the hands of the people that need it most in retail, healthcare, field sales, or warehousing.

Hardworking 8000 series mobile computers provide the power of modern data management—easy scanning, accurate data capture and entry—in one efficient, cost-effective solution.

# 8000 series

## Pocket-Size Mobile Computer

## Stay in front of the customer and ahead of the competition

CipherLab 8000 terminals are hardworking partners for busy workers in virtually every retail environment, from grocery and convenience stores to specialty and department stores.

The 8000 series mobile computers combine easy scanning, accurate data capture, long working hours, and powerful options in a compact handheld. With efficient data capture and control, shelves stay fully stocked and merchandise moving. Sales staff spend less time fussing with details and more time creating customer satisfaction and revenue.

Handy 8000s add robust performance and flexible functionality to fast-moving companies that recognize the value of data management.

▶ *Speed ordering, restocking, pricing, and order fulfillment*

▶ *Automate repetitive tasks for increased worker performance*

▶ *Improve customer satisfaction through enhanced data access*

▶ *Empower lead management and contact updates*

▶ *Tighten scheduling, order, and delivery tracking*

▶ *Streamline operations using vertical-niche applications*

## Smart solutions with immediate payoffs

### Manage inventory for greater efficiency

*Champion, a major retailer of health and sporting goods in Russia, was managing over 50,000 SKUs using a spreadsheet and handwritten orders.*

To speed fulfillment, Champion coupled CipherLab 8001 and 8300 mobile computers with an integrated custom application based on 1C. Using the new system, orders are taken on the sales floor, store inventories are accurate, and stock-managing efficiency jumped 25 to 30 percent. Management now has accurate metrics for analysis of sales trends and dramatic order planning improvement.

### Compete against warehouse stores

*As the third-largest pet store chain in the U.S., Pet Supplies Plus needed to support an extensive product selection without back-end warehousing.*

RJM Systems created a solution using CipherLab 8021 and 8071 running DataMan PC software. Cost-effective terminals now transmit franchisee orders directly to twenty approved vendors, reducing delivery time while keeping shelves fully stocked. This intelligent order system saves 40% in labor costs while improving accuracy, price checking and inventory management in over 200 Pet Supplies Plus stores.

### Achieve 100% precision

*China Medical University Hospital relies on 8000s to ensure delivery of outpatient chemotherapy.*

With 600 physicians and 1,600 nurses serving over 123,000 outpatients, administering the correct therapy to the correct patient is streamlined using 8000 terminals in nursing stations and on mobile carts. Patient orders are downloaded to the 8000 pocket-size mobile computer. When nurses scan patient barcodes, the medication and dose are displayed on screen. After administration, the patient records are synchronized in the main server database via cradle upload.

## Ensuring healthy accuracy

The CipherLab 8000 series helps healthcare professionals achieve greater precision and responsiveness. The compact design and backlit LCD screen make it a favorite among multi-tasking hospital and laboratory personnel for quickly enhancing communications between doctors, nurses, labs, and pharmacies, resulting in greater efficiency, fewer errors, and enhanced patient and employee satisfaction.

## Key link in the supply chain

Improve speed and accuracy of supply chain functions, including picking and packing, route assignment, paperless accounting, and batch or wireless ordering and reporting. The easy-to-learn interface combined with long working hours get the job done for logistics personnel who have to maintain communication from the loading dock to the front office.

## A small computer with enormous benefits

### MASTER EVERY DETAIL

Versatile 8000 series mobile computers improve business-critical operations by combining scanning and data entry in one compact lightweight handheld with a user-friendly interface and easy-to-read backlit LCD screen.

### ALWAYS READY FOR OVERTIME

Highly efficient circuit design enables up to 100 continuous hours on AAA-size alkaline or lithium-ion rechargeable batteries. A backup rechargeable lithium battery prevents data loss if you can't change or charge the battery immediately.

### POWER WHERE YOU NEED IT

Running on a 16-bit CMOS low-power-consumption CPU, 8000 series mobile computers come with 2MB of program memory and 2MB of data memory (with 4MB optional on the 8001) for robust data manipulation and storage.

### READ NOW–KNOW NOW

With a choice of linear imager or laser reader, the 8000 series meets most barcode scanning needs. BT and wireless LAN (802.11b/g) options enable real-time data transmission, even by mobile phone, as well as easy label printing, and streamlined communication throughout your facility.

### WORKS WITH YOUR CRITICAL APPLICATIONS

The CipherLab operating system supports a wide variety of C and BASIC solutions from batch to wireless connectivity. CipherLab's Power Suite software helps you create the perfect application for your situation. FORGE Application Generator, STREAM Wireless Studio, MIRROR Terminal Emulation and BLAZE C and Basic Compilers make development easy.

CIPHERLAB PRODUCTS ARE VALUED WORLDWIDE FOR ENGINEERING EXCELLENCE. **THE 8000 SERIES** IS ANOTHER EXAMPLE OF TECHNICAL INNOVATION AND QUALITY VALUE FOR TODAY'S AIDC SOLUTIONS.

# SPECIFICATIONS

# 8000 series

## Pocket-Size Mobile Computer


8000          8071

## A C C E S S O R I E S


**Communication Cradle**


**Charging and Communication Cradle**


**Modem Ethernet Cradle**


**GSM/GPRS Cradle** (Quad band)


**4-Slot Battery Charger**

| | | 8000 | 8001 | 8062 | 8071 |
|---|---|---|---|---|---|
| **Communication** | Options | Batch | | BT Class 2 compliance | IEEE 802.11 b/g |
| | Serial | IrDA (115.2 Kbps) | | | |
| **Performance** | CPU | 16- bit | | | |
| | Program memory | 2MB flash | | | |
| | Data memory | 2MB SRAM | 2MB/4MB SRAM | 2MB SRAM | |
| | Operating power | 2 AAA alkaline | Li-ion 3.7V, 700 mAh | | |
| | Backup power | Rechargeable lithium 3.0V, 7.0 mAh | | | |
| | Working time[1] | 100 hours | | 36 hours | 22 hours[2] |
| | Data retention | 30 days | | | |
| | Alert | Dual-color LED, vibrator, volume-programmable beeper | | | |
| **Data capture** | Barcode scanning | Linear imager / Laser | | | |
| **Physical characteristics** | Display | LCD 100 × 64 with LED backlight | | | |
| | Keypad | 21 rubber keys with white LED backlight | | | |
| | Dimensions L x W x H | 122 × 56 × 23 mm 4.8 × 2.2 × 0.9 in. | 122 × 56 × 32 mm 4.8 × 2.2 × 1.25 in. | | 143 × 57 × 35 mm 5.6 × 2.25 × 1.4 in. |
| | Weight laser, including battery | 123 g / 4.4 oz. | 120 g / 4.2 oz. | 125 g / 4.4 oz. | 166 g / 5.9 oz. |
| **User environment** | Operating temperature | -10° to 60°C / 14° to 140°F | | | |
| | Storage temperature | -20° to 70°C / -4° to 158°F | | | |
| | Humidity non-condensed | Operating: 10% to 90% / Storage: 5% to 95% | | | |
| | Impact resistance | Multiple 1.2m / 4 ft. drops onto concrete, 5 drops on each side | | | |
| | Electrostatic discharge | ±15kV air discharge / ±8kV direct discharge | | | |
| | EMC regulation | BSMI, CE, C-Tick, FCC, IC | | CE, FCC | BSMI, CE, C-Tick, FCC, IC, MIC, NCC, SRMC, TELEC |
| **Development software** | | CipherLab Power Suite BLAZE C Compiler and BASIC Compiler | | | |
| **Application software** | | CipherLab Power Suite FORGE Application Generator including data transmission OCX, STREAM Wireless Studio, MIRROR Terminal Emulation, | | | |
| **Cradles** | | Communication cradle (USB or RS232, only for 8000), charging and communication cradle, modem cradle, Ethernet cradle, GSM/GPRS cradle (quad band), | | | |
| **Accessories** | | 4-slot battery charger, AC/DC adapter, RS232 cable, USB cable | | | |
| **Acoustic coupler 8021** available in US only | | Data rate/format: 1200, O/E/N, 7/8, 1/2 stop bits Sound frequency: 1.2 KHz ±5%, 2.2 KHz ±5%   Modulation type: Bell202/FSK | | | |
| **Warranty** | | 1 year | | | |

[1] Based on one standard laser scan per five seconds with backlight off.
[2] Dependant on loading traffic of network