Smarter Solutions

PERFORMANCE, EFFICIENCY, ACCURACY



About CipherLab

CipherLab designs and delivers industry-leading business performance and efficiency solutions around AIDC (automatic identification and data collection) hardware and software. We have been a technology innovator for more than twenty years, with a range of market-changing and industry-pioneering products—mobile computers, proprietary terminals, wireless and tethered barcode scanners, fixed data terminals, software solutions, and more. Our products impact the daily lives of customers and workers of transportation and logistics, field mobility, healthcare, manufacturing, retail, warehousing, and public and government services, adding performance, accuracy and return on investment to the bottom line of our customers.

Our success is built on a deep respect for our customers, business partners, employees, and investors. CipherLab culture promotes entrepreneurial ideas and practices to continually nurture new ideas, and better solutions. We put great value in strong customer partnerships and rely on multi-national, interdisciplinary teams to provide the best quality and value in leading-edge products and services.

CipherLab is a concerned world citizen, both with respect to our common environment and social responsibilities. Our solutions are in place saving energy, time and money throughout the world.





1600 series

- · Ultra-lightweight and mini-sized.
- Instant pairing with smartphones, PDAs, tablets and any Bluetooth® devices.
- 4 MB on-board memory holds over 240,000 scans.*
- IP42 rating and 1.5 m drop resistance.**
- Choice of AAA battery and rechargeable Li-ion battery provides 40 working hours.**
- * The calculation is based on EAN13 barcode.
- ** The specification may vary depending on product model and configuration.

Accessories:

3610 Bluetooth® transponder, battery charger, protective cover.

Scanners

CipherLab scanners are versatile, agile, and priced right for long-lasting value. They can capture data from regular and long barcodes, high density barcodes, to poorly printed barcodes with a choice of linear imager, 2D imager, or laser. Together with *Bluetooth*® cordless and corded applications, CipherLab scanners help you run business more efficiently with improved operations.



1000 series*



- Contact scanning eliminates misreading clustered or poorly printed barcodes.
- Reads barcodes up to 90 mm wide, 3-mil resolution and 30% PCS.**
- 1.2 m/ 4 ft. drop resistance.**
- Widely programmable, supporting multiple data editing, interface selection and symbology configuration.
- * 1000 series family includes model 1000, 1090+, and 1070.
- ** The specification may vary depending on product model and configuration.

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1500 series

- Captures high density (3-mil) 1D barcodes as well as long barcodes.*
- Up to 200 decodes per second.
- 90-meter *Bluetooth®* connectivity.
- IP30 rating and 1.5 m drop resistance.*
- Runs 24 hours on single charge.*
- Records over 240,000 scans in batch mode, and stores up to 600 scans in buffer memory.***
- * The specification may vary depending on product model and configuration.
- ** The calculation is based on EAN13 barcode.

Accessories: 3-in-1 auto-sense stand, hands-free adjustable stand, battery charger.





- 100-meter Bluetooth® connectivity.
- Reads 1D barcodes up to 3-mil density.
- Runs 45 hours or over 32,000 scans on single charge.**
- Corded CCD scanner withstands 2 m/ 6.6 ft. multiple drops onto concrete.
- * 1100 series family includes model 1100, 1166, and 1266.
- ** The specification may vary depending on product model and configuration.

Accessories: holder, charging and communication cradle, wall mount / desk stand, auto-sense stand.



1700 series

- 1.3-megapixel 2D imager captures barcodes, signatures, and high resolution images up to A4-sized dimensions.
- IP54 rating and 1.8 m/ 6 ft. drop resistance.
- Manifold alerts includes bright LED alert, adjustable volume alert and vibration.

Accessories: power hood

9700 series



- IP65 rating and 1.8 m/ 6 ft. drop resistance. Sustains 1,000 tumbles at 0.5 m/ 1.6 ft and 500 tumbles at 1 m/ 3.3 ft.
- CCX v4 certified 802.11 a/b/g/n and Bluetooth® wireless connectivity.
- · Reader options include laser, 2D imager, extended range laser, and near / far 2D imager.
- 3 different keypads include 30/38-key numeric and 53-key alphanumeric.
- · 3.5" QVGA transmissive LCD display.
- · On-board 4 GB memory.
- Operating system: Microsoft® Windows® CE 6.0 R3

Accessories: Charging and communication cradle, pistol grip, snap-on cable (USB/ RS232), 4-slot Ethernet cradle, 4 slot battery charger



9200 series

- · Unique compact form factor.
- IP65 rating and 1.5 m/ 5 ft. drop resistance. Sustains 1,000 tumbles at 0.5 m/ 1.6 ft
- 3.5G HSDPA, CCX v4 certified 802.11 a/b/g/n and Bluetooth® wireless connectivity.
- · Reader options include linear image, laser, 2D imager, and HF RFID.
- · GPS/ AGPS ready.
- Built-in 3-megapixel autofocus camera with LED flash.
- 2.8" QVGA transflective LCD display.
- Operating system: Microsoft® Windows® Embedded Handheld 6.5

Accessories: charging and communication cradle, snap-on cable (USB / RS232), 4-slot battery charger, snap-on car charger



Windows® Mobile Computer

CipherLab Windows®-based mobile computers combine powerful computing with rugged design, making them ideal for flexible, enterprise-wide solutions across multiple industries. Comes with versatile functionalities, they offer fully automated operation whether in the fields or within the fence. Users are now able to fulfill their tasks with ultimate support and simplified operation.



CP30 series

- 1.2 m/ 4 ft. drop resistance
- 3.5G HSDPA, 802.11 b/g, and Bluetooth® connectivity.
- · Reader options include laser and 2D imager.
- · GPS/ AGPS ready.
- · Built-in 3.2-megapixel autofocus camera with LED flash.
- 3.2" WQVGA LCD display.
- Operating system: Microsoft® Windows® Mobile 6.5

Accessories: charging and communication cradle, protective cover, vehicle charger, earphone



CP50 series

- IP65 rating and 1.5 m/ 5 ft. drop resistance. Sustains 1,000 tumbles at 0.5 m/ 1.6 ft.
- 3.8G HSPA+, 802.11 b/g and Bluetooth® wireless connectivity.
- · Reader alternatives include laser, 2D imager, and HF RFID (13.56 MHz).
- · GPS/ AGPS ready.
- · Built-in 5-megapixel autofocus camera with LED flash.
- · 3.5" QVGA transflective LCD display.
- · On-board 2 GB memory.
- Operating system: Microsoft® Windows® Embedded Handheld 6.5

Accessories: charging and communication cradle, pistol grip, vehicle mount, vehicle charger, protective cover, hand strap, belt holster with shoulder strap, USB charging and communication cable.



CP55 series

- Dual Core 1 GHz OMAP™ processors
- · Reader options include linear imager, laser, long range laser, 2D imager, and HF RFID (13.56 MHz).
- 3.75G HSUPA, 802.11 a/b/g/n and Bluetooth® wireless connectivity.
- IP65 rating and 1.5 m/ 5 ft. drop resistance. Sustains 1,000 tumbles at 0.5 m/ 1.6 ft.
- Built-in 5-megapixel autofocus camera with LED flash.
- 3.5" VGA or QVGA transflective LCD display.
- · On-board 4 GB memory.
- Operating system: Microsoft® Windows® Embedded Compact 7.0, Microsoft® Windows® Embedded Handheld 6.5.3

Accessories: Charging and communication cradle, snap-on vehicle cradle, snap-on cable (USB/RS232), snap-on vehicle charger, vehicle mount, protective cover, belt holster with shoulder strap, 4-slot battery charger



CP60 series

- IP65/ IP67 rating and 2.4 m/ 7.9 ft. drop resistance. Sustains 2,000 tumbles at 1 m/ 3.3 ft.
- · HSPA+, LTE, CCX v4 certified 802.11 a/b/g/n and Bluetooth® wireless connectivity.
- · Reader options include laser, long range laser, and 2Dimager.
- · GPS/ AGPS readv.
- Built-in 5-megapixel autofocus camera with LED flash.
- 3.5" VGA or QVGA transflective LCD display.
- · On-board 4 GB memory.
- Operating system: Microsoft® Windows® Embedded Handheld 6.5.3, Microsoft® Windows® CE 6.0 R3

Accessories: Charging and communication cradle, vehicle cradle, belt holster, belt holster for device with pistol grip, pistol grip, snap-on cable (USB/ RS232), 4-slot battery charger, snap-on car charging kit, 4-slot terminal cradle



8200 series



- · Light and compact design.
- IP54 rating and 1.2 m/ 4 ft. drop resistance.
- Reader options include linear imager, laser, and 2D imager.
- Bluetooth® and 802.11 b/g connectivity.
- 124 hours of operation in batch mode, 40 hours of operation under Bluetooth® communication, and 20 hours of operation under 802.11 b/g usage.
- · Comes with Micro SD card slot with SDHC support.

Accessories: charging and communication cradle, Ethernet cradle, modern cradle, protective cover, pistol grip, vehicle charger, 4 slot battery charger, RS232 charging and communication cable, USB charging and communication cable.



8600 series

- Rugged designs with IP65,1.8 m drops onto concrete, and 1,000 tumbles at 1m
- · Swappable keypads of 29 or 39 keys
- · Modular Charging and Communication System
- Forge Application Generator for easy start-up
- Text Browser for web-based application
- Flexible wireless options including 802.11 b/g/n and Bluetooth® V4.0

Accessories: Charging and communication cradle, cradle kit, hard shell, pistol grip, snap-on cable, battery charger

cOS Terminals

CipherLab Operating System (cOS) terminals are designed to tackle task-specific applications and provide long lasting performance with no down time. Featured simple and user-friendly interface, users are able to instantly get familiar with daily operations with very little training. In addition, the free Application Generator software allows quick and easy application development, giving users handy tools for maximized customization.



8000 series



- · Pocked-sized and lightweight.
- 1.2 m/ 4 ft. drop resistance.
- Reader alternatives include linear imager and laser.
- · Bluetooth® connectivity.
- 100 hours of operation in batch mode, and 36 hours of operation under Bluetooth® communication
- · Option of AAA battery or rechargeable Li-ion battery.

Accessories: communication cradle, charging and communication cradle, modem cradle, Ethernet cradle, GPRS cradle, 3G cradle, 4-slot battery charger, RS232 cable, USB cable.



8400 series

- IP54 rating and 1.5 m/ 5 ft. drop resistance. Sustains 1,000 tumbles at 1 m/ 3.3 ft.
- Bluetooth® and 802.11 b/g connectivity.
- 110 hours of operation under *Bluetooth*® connectivity, and 35 hours under 802.11 b/g usage.
- Reader choice of linear imager, laser, and 2D imager.
- · Terminal emulation ready.
- Optional 39-key keypad with 20 function keys enables full terminal emulation operation.
- Ergonomic tilted scan angle and 2.6" 160x160-pixel display.
- · Micro SD card slot available with SDHC support.

Accessories: charging and communication cradle, modem cradle, Ethernet cradle, GPRS cradle, protective cover, 4-slot battery charger, vehicle charger, RS232 charging and communication cable, USB charging and communication cable

8300 series



- IP65 rating and 1.2 m/ 4 ft. drop resistance.
- 270 hours of operation in batch mode, and 40 hours of operation under wireless usage.
- Bluetooth® and 802.11 b/g connectivity.
- Reader options include linear imager, laser, long range laser, and HF RFID (13.56 MHz).
- Keypad choice of 24 numeric or 39 alphanumeric keys.

Accessories: charging and communication cradle, modem cradle, Ethernet cradle, 4-slot battery charger, keyboard wedge cable, RS232 cable, USB cable.



8700 series

- IP64 rating and 1.5 m/ 5 ft. drop resistance. Sustains 1,000 tumbles at 1 m/ 3.3 ft.
- Operates across extreme temperatures (-20°C to 55°C/ -4°F to 131°F).
- Equipped with 3" 160 x 160-pixel touch screen.
- Reader options include linear imager, laser, 2D imager, long range laser, extra long range laser and HF RFID (13.56 MHz).
- Bluetooth®, 802.11 b/g and 3.5G HSDPA connectivity with GPS option.
- Terminal emulation ready.

Accessories: charging and communication cradle, belt holster, pistol grip, protective cover, vehicle charger, RS232 charging and communication cable, USB charging and communication cable.

8200H series



- · Lightweight and ergonomic design.
- Reader choice of linear imager, laser, and 2D imager.
- Bluetooth® and 802.11 b/g connectivity.
- 124 hours of operation in batch mode, 40 hours of operation under Bluetooth® communication, and 20 hours of operation under 802.11 b/g usage.
- IP54 rating and 1.2 m/ 4 ft. drop resistance.

Accessories: charging and communication cradle, Ethernet cradle, modem cradle, adapter for vehicle charging, protective cover, pistol grip, 4-slot battery charger, RS232 cable, USB cable.



1600H series

- · Ultra-lightweight and mini-sized.
- Instant pairing with smartphones, PDAs, tablets and any Bluetooth® devices.
- 4 MB on-board memory holds over 240,000 scans.*
- Choice of AAA battery and rechargeable Li-ion battery provides 40 working hours.
- IP42 rating and 1.5 m drop resistance.**
- * The calculation is based on EAN13 barcode.
- ** The specification may vary depending on product model and configuration.

Accessories: 3610 Bluetooth® transponder, battery charger, protective cover



Antimicrobial Protection Series

In an industry where hygiene is vital, the importance of preventing the growth of microbes is escalating. CipherLab addresses the needs in a healthcare environment with its antimicrobial protection series to resist the growth of bacteria which causes odor and stain.

Unique from other devices claiming antimicrobial protection which are often coated with a protective film, CipherLab antimicrobial protection series comes with Microban® technology built into the product housing, withstanding repeated alcohol disinfection without wearing off while reducing microbial growth on the surface.

8000H series



- · Lightweight and compact.
- Reader alternatives include linear imager and laser.
- Bluetooth® connectivity.
- 100 hours of operation in batch mode, and 36 hours of operation under *Bluetoot*h® communication.
- 1.2 m/ 4 ft. drop resistance.

Accessories: communication cradle, charging and communication cradle, modem cradle, surge protector for modem cradle, Ethernet cradle, 4-slot battery charger, AC/DC power adapter, RS232 cable. USB cable.

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1500H series

- · Captures 3-mil 1D barcodes.*
- Up to 200 decodes per second.
- 90-meter *Bluetooth®* connectivity.
- Runs 24 hours on single charge.*
- IP30 rating and 1.5 m drop resistance.*
- LED light and adjustable buzzer confirm a successful scan, even in dim lighting, to avoid duplicate scans.
- * The specification may vary depending on product model and configuration.

Accessories: 3-in-1 auto-sense stand, hands-free adjustable stand, battery charger.

1861 Handheld RFID Reader



- UHF RFID reading and writing capabilities.
- Compatible with Bluetooth® mobile devices.
- IP64 rating and 1.5 m/ 5 ft. drop resistance. Sustains 1,000 tumbles at 1 m/ 3.3 ft.
- Optional snap-on mounts integrate your mobile computer, Smartphone/ iPhone and 1861 handheld RFID reader into one robust device.
- Max. reading range: 1 m/ 3.3 ft; max. writing range: 0.5 m/ 1.6 ft.
- Easy configuration through PC or mobile devices via multiple configurators for PC, Windows® mobile computers, CipherLab terminals, and .NET SDK.

Accessories: battery charger, CipherLab 9600/ CP50 series mobile computer mount, universal mount, 3610 Bluetooth® transponder.

Data Terminals



5100

- Perfect for secure-area access.
- · Integrated RFID reader simplifies access.
- 9 MB of data memory.
- Optional 10/100 Ethernet and 802.11 b/g.

520

- Ideal for line operations.
- Built-in barcode or magnetic stripe reader.
- · Supports wand, CCD, and laser scanners.
- 30-key keypad.



Software

CipherLab Application Development software customizes our devices to workflows and allows fast deployment into web-based processes. Terminal Emulators enable immediate deployment into mainframe-based processes. Programming tools include critical functions and valuable libraries used for AIDC solutions. And Device Management tools allow IT personnel to efficiently maintain and manage a fleet of CipherLab mobile computers. In addition, Scanner software enables guick and easy configuration.

Application Development



CipherLab FORGE Application Generators let you quickly customize workflows and user templates for batch and wireless environments. Design new applications on a PC in minutes, test them on a simulated mobile computer, and deploy them to your device.



KALIPSO Mobile Application Generator is a powerful software designed for Windows®based mobile computers. Simple and intuitive to operate, users can create applications with drag and drop either online or offline.

Browsers and Terminal Emulators



CipherLab MIRROR Browser turns your CipherLab Windows®- based mobile computer into an accurate, effective, and user-friendly data capture tool for any web-based task. MIRROR VT100/ VT220 and TN5250 Terminal Emulators allow you to quickly adapt host console output to CipherLab mobile screens without redesigning your applications, saving time and development effort.



Wavelink Industrial Browser offers an alternative to instantly deploy Windows®- based mobile computers into web-based workflows. Wavelink Terminal Emulator, designed for IBM® 3270/ wavelink 5250, VT100/ 110/ 220/ 330, and HP systems, expands the capabilities of Windows®- based mobile computers to meet the needs of multiple types of mainframe environments.



Naurtech CETerm Browser and Terminal Emulator integrates data collection features for Windows® - based mobile computers with wireless security technologies and scripting capabilities to enable more efficient and customized workflows. Certified by industry-standard platforms, such as SAP Netweaver ITSMobile, Naurtech CETerm ensures all remote tasks required by the software are completed. CETerm supports both SSL and SSH protocols to ensure secure data transmissions.

Device Management-



CipherLab Application Manager and App-Lock give administrators full control over all executable files saved in the mobile computers. Limited access could be set up to essential device settings and pre-approved applications, so workers can stay focused on the tasks at hand.



Wavelink® Avalanche™ combines Mobility Center, a management console for control and configuration, CE Secure, and Remote Control in an integrated system designed to simplify mobile device management and to reduce total cost of ownership.



SOTI-MobiControl for Windows®-based mobile computers delivers a robust set of features to support remote management. MobiControl's remote device diagnostics, helpdesk toolset, screen capture, remote software provisioning, and advanced security are a few features, which allow for rapid and reliable management over any network for any size of deployment.

Programming



CipherLab Blaze C and BASIC Compilers let you build custom applications for CipherLab proprietary terminals in the Windows®-based programming environment. A menu-driven interface simplifies software development and code modifications, making it easy to develop robust applications that perfectly fit your needs.

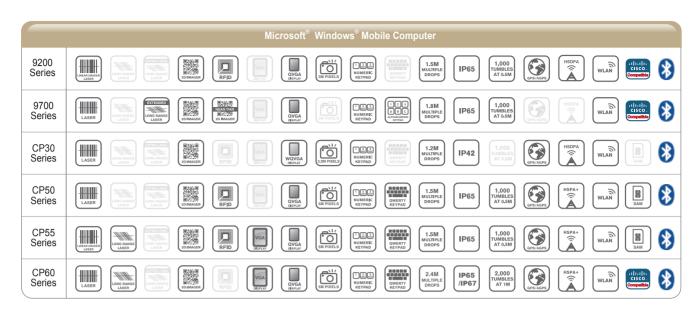
Scanner Software



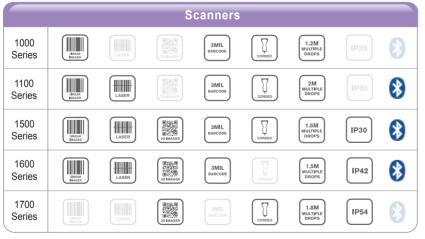
CipherLab CipherConnect is a COM-to-key software utility designed for CipherLab cordless scanners to work as an input device for smart devices - enabling intensive data collection via Bluetooth® Serial Port Connection. Now it is available for Android, Blackberry, and Windows® Mobile via Bluetooth® SPP (Slave).*

*Apple's iPhone, and iPod Touch (2nd Generation) support Bluetooth® HID profiles when running iOS 4 and above, where CipherConnect is not needed to pair with CipherLab cordless scanners.

CipherLab ScanMaster offers a comprehensive solution to configure scanners, edit format, set up symbology, and much more. It is easy to set up through the standard Windows® operation system. All generated settings can be saved and printed out as barcodes. By scanning these barcodes, other users could configure their scanners within seconds.



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- 1. The mobile computer has received general telecommunication certification. Please check with your local carrier for the optimum operating efficiency
- 2. The specification may vary depending on product model and configuration.

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