

Smarter Solutions

PERFORMANCE, EFFICIENCY, ACCURACY



CIPHER LAB
Smarter

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 thirty 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.





1000 series*

- Contact scanning eliminates misreading clustered or poorly printed barcodes.
- Reads barcodes up to 120 mm wide, 3-mil resolution and 30% PCS.**
- 1.0 m/ 3.3 ft. drop resistance.**
- Widely programmable, supporting multiple data editing, interface selection and symbology configuration.
- Support OPOS standard

* 1000 series family includes model 1000A and 1090+

** The specification may vary depending on product model and configuration.



1100 series*

- 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 and 1105.

** The specification may vary depending on product model and configuration.

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

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.



1500 series



- Captures high density (3-mil) 1D barcodes as well as long barcodes.*
- Up to 520 scans 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.



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.
- Rechargeable Li-ion battery provides 40 working hours.

* The calculation is based on EAN13 barcode.

Accessories:

3610 *Bluetooth*® transponder, battery charger, protective cover.

2500 series



- IP65 rating and 1.8 m/ 6 ft. drop resistance.
- Up to 578 scans per second.
- Reads barcodes up to 3 mil resolution and 15% PCS.
- Swappable battery runs 24 hours on single charge.
- Auto detection of USB, RS232 and keyboard wedge interface.
- Enhanced ESD protection up to ±10 kV (contact) and ±20 kV(air).

Accessories: USB, RS232 and keyboard wedge cables, hands-free adjustable stand Communication cradle with battery charger option, single battery charger



2200 Series

- Reads RFID tags (up to 20cm) and supports EAS label deactivation
- Omnidirectional scanning with the 120 scan rate per second
- Integrated adjustable stand to bend forward 40 degrees and backward 15 degrees
- Ergonomically designed for hands-free or handheld operation
- Reads barcodes up to 3 mil resolution and 25% PCS
- IP52 rating and 1.5 m/ 4.9 ft. drop resistance.
- ScanMaster software for easy access and configuration
- Auto detection of USB, RS232 and keyboard wedge

Accessories: USB, RS232 and keyboard wedge cables, Locking Mount Bracket



Windows® Mobile Computer

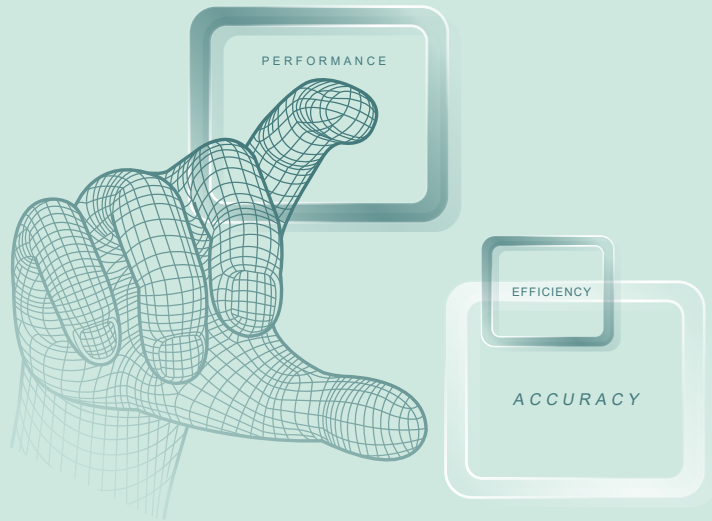
CipherLab Windows®-based mobile computers combine powerful computing with rugged design, making them ideal for flexible, enterprise-wide solutions across multiple industries. Comes with versatile functionalities, they offer fully automated operation whether in the fields or within the fence. Users are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

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" VGA / QVGA transmissive LCD display.
- On-board 4 GB memory.
- Operating system: Microsoft® Windows® CE 6.0 R3, Microsoft® Windows® Embedded Handheld 6.5

Accessories: Snap-on cable (USB / RS232), Snap-on car charger, Pistol grip, Belt holster for device with pistol grip, 4-slot battery charger, charging and communication cradle, 4-slot Ethernet cradle, vehicle cradle



1862 Handheld RFID Reader



- UHF RFID reading and writing capabilities.
- *Bluetooth*® V4.0 dual-mode compatibility.
- 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 1862 handheld RFID reader into one robust device.
- Max. reading range: 5 m/ 16.5 ft.
max writing range: 1.5 m/ 4.9 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 CP55/ CP50/ 9600 series mobile computer mount, universal mount, 3610 *Bluetooth*® transponder.

RK25/RS35 UHF RFID Reader



- UHF RFID reading, writing and locating capabilities.
- Max. reading range: 8+ m/26+ ft.
- Reading performance: RK25: 700+ tags/sec., RS35: 900+ tags/sec.
- Adopt high performance Impinj Indy RFID module with capability to read Global Gen2 v2 standard.
- Easy and stable 8-pin connection with the RK25/RS35 mobile computer.
- IP54 rating and 1.2 m/ 3.9 ft. drop resistance.
- Easy configuration and deployment by RK25/RS35 and by utilizing CipherLab EZConfig and EZEdit.

Accessories: Battery, battery charger

5300 series



- Operating system: CipherLab RTOS, RMF AG
- 2.2" FSTN 160*160 dots, with white LED backlight
- HF RFID, Mifare, NFC
- IEEE802.11 b/g/n
- Communication ports: USB, COM, Ethernet

* The calculation is based on EAN13 barcode.

Accessories: Power Adapter, RS485 Cable, Grounding Cable

Data Collector Series

In the industrial 4.0 intelligent manufacturing, many operations are emphasizing on upgrading and improving operator efficiency and personnel utilization. CipherLab' s ReMoFactory solution sheds light on that future of blending intelligent manufacturing with operator efficiency. The combination of hardware and software provides a total solution for every step of your manufacturing operation. CipherLab' s ReMoFactory solution can instantly boost your operation' s productivity, accuracy and efficiency at each station while optimizing your overall capabilities.

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, modem 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

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.



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.
- Reader options include linear imager, laser, long range laser, and HF RFID (13.56 MHz).
- Keypad choice of 24 numeric or 39 alphanumeric keys.

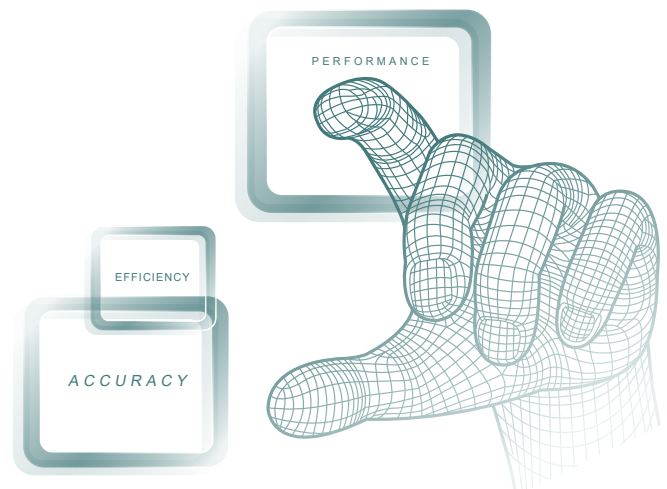
Accessories: charging and communication cradle, modem cradle, Ethernet cradle, 4-slot battery charger, keyboard wedge cable, RS232 cable, USB cable.

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



Android Mobile Computer

CipherLab Android-based mobile computers combine the intuitive user experience with rugged design, making them ideal for the workers in fast-paced industries who need to quickly respond to customer's requests. Built with versatile functionalities, they are designed to maximize efficiency, productivity and customer satisfaction.



RK95 series



- AER certified
- Android 9.0 (GMS). Upgradable to later Android ver.
- Octa-core over 2.2 GHz, 4GB RAM/64GB flash memory
- 4.3" WVGA display with Corning Gorilla Glass
- Versatile reader options include laser and 2D imager with over 20m reading distance
- IEEE 802.11 a/b/g/n/ac dual band, 2x2 MU-MIMO
- IP65, 1.8m/6ft.(2.4m/7.9ft. w/ rubber boot) drop resistance
- 28/38/52 keypad options, Terminal Emulation keypads support TN and VT systems

Accessories: Charging and Communication Cradle, 4-slot battery charger, 5-slot Terminal Charging Cradle, Multi-slot cradle with battery charger, Pistol Grip, Snap-on Cable (USB), Rubber Boot, Hand Strap



RK95 Cold Storage

- AER certified
- Android 9.0 (GMS). Upgradable to later Android ver.
- Octa-core over 2.2 GHz, 4GB RAM/64GB flash memory
- 4.3" WVGA display with Corning Gorilla Glass
- Versatile reader options include laser and 2D imager with over 20m reading distance
- IEEE 802.11 a/b/g/n/ac dual band, 2x2 MU-MIMO
- IP65, 1.8m/6ft.(2.4m/7.9ft. with rubber boot) drop resistance
- 28/38/52 keypad options, Terminal Emulation keypads support TN and VT systems
- 5,500mAh freezer battery ensures up to 5 working hours under -30°C environments
- Heaters embedded in touch screen and scan window
- Ice-resistant materials to prevent potential damage caused by prolonged operation in low temperature environments.

Accessories: Charging and Communication Cradle, 4-slot Battery Charger, 5-slot Terminal Charging Cradle, Multi-slot with Battery Charger, Pistol Grip, Snap-on Cable (USB), Rubber Boot, Hand Strap

RK25 series



- AER certified
- Android 7.0(GMS). Upgradable to later Android ver. / Android 9.0 (GMS)
- 4" display with Corning Gorilla Glass 3 and multi-touch panel
- 25-key and 28-key numeric keypad options with assignable keys
- 4G/ LTE and IEEE 802.11 a/b/g/n/ac dual band
- 1.4 GHz quad-core processor and 2 GB RAM/ 16 GB flash memory
- IP65, 1.5 m drop resistance and 300 tumbles at 0.5 m
- Reader options of linear imager, 2D imager and mid-range 2D imager
- Complementary accessories and software for deployment and management

Accessories: Hand strap, Charging and communication cradle, Charging and communication snap-on cable, Pistol grip, Rubber boot, Vehicle cradle, 4-slot battery charger



RS35 series

- AER certified
- Android 10 (GMS) / Android 11 (GMS)
- Octa-core 1.8GHz processor, 3GB RAM / 32GB flash memory.
- 4G/ LTE, VoLTE communication.
- CCX compatible, Voice-Enterprise, IEEE802.11 a/b/g/n/ac/d/h/l
- 2D imager, HF RFID, NFC.
- Hot swap, removable 4000 mAh Li-ion battery with a minimum of 12 working hours.
- 5.5" multi-touch display of Corning Gorilla Glass
- IP65 & IP67, 1.5 m (1.8 m with rubber boot) drop resistance

Accessories: Charging and communication cradle, USB snap-on cable, Hand strap, Rubber boot, Pistol grip, 4-slot battery charger, Multi-slot Terminal charging cradle, UHF RFID reader, Vehicle cradle

RS51 series



- AER certified
- Android 8.1 (GMS). Upgradable to later Android ver. / Android 11 (GMS)
- 1.8 GHz Octa-core processor, 2GB RAM/16GB flash memory.
- 2D imager/Mid-range 2D imager, HF RFID, NFC.
- 4G/LTE, IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v/w.
- VoIP and VoLTE communication.
- Removable 4000/5300 mAh battery options.
- IP65/IP67 protection, 1.8m/6ft. drop resistance, 1000 (1m) tumbles.

Accessories: Charging and communication cradle, USB snap-on cable, 4-slot battery charger, 5-slot terminal charging cradle, Battery charger with terminal charging cradle, pistol grip, Vehicle cradle, Shoulder strap

Smarter Solutions



EFFICIENCY

ACCURACY

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 quick and easy configuration.

CipherLab

Device Management



ReMoCloud is a web-based mobility management solution that supports Android Enterprise advanced and standard features for consistent user experiences. As one of Google EMM's (Enterprise Mobile Management) solutions and supported by Google Zero-touch enrollment, ReMoCloud can effortlessly deploy settings, track, monitor and manage updates on all the devices.



EnDeCloud is a mobility management solution that empowers enterprises to securely manage their mobile deployments for CipherLab devices through Intranet. EnDeCloud controls all aspects of business mobility, from tracking devices to managing apps and content, as well as keeping devices and data, safe and secure.



CipherLab Android Deployment Configurator (ADC) is a windows-based project configuration tool, helping system administrator or integrators to devise various configuration projects for CipherLab Android-based mobile computers.



CipherLab Wireless Mobile Deployment System (WMDS) for Android is a windows-based server program that can deploy the configuration settings created by Android Deployment Configurator to Android-based devices through wireless network. With the aim of optimizing the process of larger-scaled device deployment task, WMDS can deploy multiple Android mobile computers simultaneously within one task as well as monitor all the devices' status.

Operation Tools



Terminal Emulator is a brought to support mobile devices, which are high performance products powered by the Android platform running on protocol TN5250, TN3270, VT100/102/220/ANSI. This application is developed for industries which make extensive use of terminal emulators. It enables your mobile computer to act as a terminal emulator while communicating with a host of the same environment.



CipherLab Home and **AppLock** 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.



Signature Capture is a simple and easy application which transforms your device into a signature pad for user to draw the signature. It supports handwriting or stylus signature that allows user a flexible data entry options. It allows signing on mobile devices with vertical and horizontal screen and the captured signature can be stored in a various formats such as .jpg, .png, .bmp and .pdf file.

Configuration



Reader Config is a utility to manage the barcode reader integrated on the mobile computer. It configures the scan engine built inside and creates a profile of settings such as scanner preferences, data output format and destination, symbology settings, and barcode reading.



CipherLab ScanMaster offers a comprehensive solution to configure scanners, edit format, setup 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.

Analytics Report



CipherLab Agility Intelligence Service is an enterprise mobility analytics service that works with CipherLab's EMM solution, ReMoCloud™ to generate chart analysis reports on those ReMoCloud enrolled devices. This supports CipherLab Android 7 Nougat, Android 8 Oreo, Android 9 Pie, Android 10, and Android 11 mobile computers with GMS certification.

Third Party



Specifications

Microsoft® Windows® Mobile Computer																		
9700 Series											1.8M MULTIPLE DROPS	IP65	1,000 TUMBLES AT 0.5M					

Android Mobile Computer																		
RK25 Series											1.5M MULTIPLE DROPS	IP65	300 TUMBLES AT 0.5M					
RK95 Series											1.8M MULTIPLE DROPS	IP65	1,000 TUMBLES AT 1M					
RS35 Series											1.5M MULTIPLE DROPS	IP65 IP67	500 TUMBLES AT 0.5M					
RS51 Series											1.8M MULTIPLE DROPS	IP65 IP67	1,000 TUMBLES AT 1M					

CipherLab Operating System Mobile Computer																		
8000 Series										1.2M MULTIPLE DROPS	IP54	1,000 TUMBLES AT 1M						
8200 Series										1.2M MULTIPLE DROPS	IP54	1,000 TUMBLES AT 1M						
8300 Series										1.2M MULTIPLE DROPS	IP65	1,000 TUMBLES AT 1M						
8400 Series										1.5M MULTIPLE DROPS	IP54	1,000 TUMBLES AT 1M						
8600 Series										1.8M MULTIPLE DROPS	IP65	1,000 TUMBLES AT 1M						

Scanners								
1000 Series				3MIL BARCODE		1.2M MULTIPLE DROPS	IP30	
1100 Series				3MIL BARCODE		2M MULTIPLE DROPS	IP30	
1500 Series				3MIL BARCODE		1.5M MULTIPLE DROPS	IP30	
1600 Series				3MIL BARCODE		1.5M MULTIPLE DROPS	IP42	
2500 Series				3MIL BARCODE		1.8M MULTIPLE DROPS	IP54	

UHF RFID Reader					
1862		1.5M MULTIPLE DROPS	IP64	1,000 TUMBLES AT 1M	
RK25/RK35 Series		1.2M MULTIPLE DROPS	IP54	500 TUMBLES AT 0.5M	

Presentation Scanner					
2200 Series			3MIL BARCODE		1.5M MULTIPLE DROPS
	IP52	1,000 TUMBLES AT 1M			

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



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HEADQUARTERS
 CipherLab Co., Ltd.
 12F, 333 Dunhua S. Rd.,
 Sec.2
 Taipei, Taiwan 10669
 Tel +886 2 8647 1166
 Fax +886 2 8732 3300
 www.cipherlab.com

CipherLab Electronics Trading
 (Shanghai) Co., Ltd.
 E Room, 9F, No.726 West
 Yan'an Rd. Changning District,
 Shanghai
 China 200050
 Tel +86 21 3368 0288
 Toll Free 400 920 0285
 Fax +86 21 3368 0286

CipherLab USA Inc.
 2552 Summit Ave.
 STE 400 Plano,
 Texas, USA 75074
 Tel +1 469 241 9779
 Toll Free 888 300 9779
 Fax +1 469 241 0697

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