PERFORMANCE, EFFICIENCY, ACCURACY.

Smarter Solutions

CIPHERLAB
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've been a technology innovator for more than twenty years, with a range of market-changing and industry-pioneering products—industrial mobile computers, mobile data terminals, wireless and corded barcode scanners, fixed data terminals, software solutions, and more. Our products impact the daily lives of customers and workers of transportation logistics, healthcare, manufacturing, retail, warehousing, 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, 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.

INDUSTRY VOICES AROUND THE WORLD HAVE CONSISTENTLY RECOGNIZED CIPHERLAB FOR OUR INNOVATION AND BUSINESS EXCELLENCE:

Rising Star Award
MOBILE VILLAGE
NORTH AMERICA, 2009

Best Products and Services Award
NETWORK PRODUCTS GUIDE
NORTH AMERICA, 2009

Gold Mobile Star Awards
MOBILE VILLAGE
NORTH AMERICA, 2008

Mobile/Wireless Product Innovation of the Year
NETWORK PRODUCTS GUIDE
NORTH AMERICA, 2008

In-Store Handheld Automation Product Innovation of the Year
FROST & SULLIVAN
NORTH AMERICA, 2007

Among Top Three Scanner Manufacturers Worldwide
VENTURE DEVELOPMENT CORPORATION, USA, 2006

Among Top Five Scanner Manufacturers
VERTICAL SYSTEM RETAILER, USA, 2006

Development Software

CipherLab Development software customizes our devices to workflows and allows fast deployment into web-based processes. Terminal Emulators enable immediate deployment into mainframe-based processes. And Device Management tools allow IT personnel to efficiently maintain and manage a fleet of CipherLab mobile computers.

Application Development

CIPHERLAB SOFTWARE

CipherLab Power Suite 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.

Compile custom C and BASIC applications with **CipherLab Power Suite BLAZE** compilers. The compilers include critical functions and valuable libraries used for AIDC solutions.

CipherLab Power Suite STREAM Wireless Studio, with STREAM Designer and STREAM Server, accelerates wireless application development and simplifies management.

CipherLab Power Suite MIRROR Browser turns your CipherLab Windows®- based mobile computer into an accurate, effective, and user-friendly data capture tool for any web-based task.

THIRD-PARTY SOFTWARE

Wavelink Industrial Browser offers an alternative to instantly deploy Windows®-based mobile computers into web-based workflows.

Naurtech CETerm Browser is a powerful browser, integrating data collection features for Windows®-based mobile computers with wireless security technologies and scripting capabilities to enable more efficient, customized workflows.

The **MCL-Collection** for Windows®-based mobile computers provides a comprehensive set of proven, versatile tools to design, develop, package, and deploy applications that support a range of AIDC uses and various connection states.

Terminal Emulators

CipherLab Power Suite 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 industry-standard terminal emulator, designed for IBM® 3270/5250, 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 terminal emulator is tightly integrated with CipherLab mobile computers. Certified by industry-standard platforms, such as SAP Netweaver ITSMobile, 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 helps keep workers on task and protect the integrity of CipherLab mobile Windows®- based computers. The Application Manager enables administrators to automate application launches, to prevent unauthorized reconfiguration of the mobile computer, and to control users' access to other executable programs residing on the device.

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.

Forge

Blaze

Stream

Mirror

wavelink.

NAURTECH

SOTI.net
We Manage Mobility

MCL
TECHNOLOGIES

CIPHERLAB SOFTWARE ENABLES FAST, ECONOMICAL DEPLOYMENT OF OUR MOBILE COMPUTERS INTO ANY ENVIRONMENT.

Mobile Computers

CipherLab Windows®-based mobile computers combine powerful computing with a familiar operating system, making them ideal for flexible, enterprise-wide solutions across multiple industries.

9600 series

Logistics and Field Mobility

Road-ready, compact, and powerful, the 9600 series is ideal for field service and field sales applications. The 9600 combines WLAN, WPAN, and GPRS/EDGE communications. GPS-ready, it allows users to plan routes and access geodata anywhere. RFID plus 2D, linear imager, or laser with a 29-key or QWERTY keypad in a PDA form factor with integrated VGA or QVGA touchscreen and 2-megapixel camera, make the 9600 ideal for demanding enterprise-wide solutions. The 9600 is our most powerful mobile computer with a rich set of features.

9500 series

Logistics and Transportation

The rugged 9500 series, with Bluetooth® Class 2, and WLAN communications, is a great mobile platform for deploying rich applications–batch or wireless terminal, Windows®- and web-based–anywhere. Its powerful computing capability is supported by expandable memory and a vivid transflective touchscreen, viewable even in bright sunlight. Multiple available readers and RFID match the 9500 to your specific needs, and integrated signature capture ensures verifiable authorizations.

9400 series

Logistics

Designed for fast-moving applications in four walls applications, the 9400 series combines WLAN, and WPAN communications with a wide choice of data capture capabilities. It's transflective, VGA or AVGA touchscreen displays more information, and it's as easy to view in bright daylight as in a dark corner. The 9400 gives you a complete mobile office in your hand.

9300 series

Retail and Warehouse

Designed for the richer 2D symbologies found in today's retail and warehousing applications, the 9300 series combines powerful computing with a choice of 2D imager or laser. Built-in Cisco® CCX V4-compatible WLAN lets you leverage advanced wireless protocols, while accessing data across your facility. The 9300 is tested to IP64 specifications, dropped multiple times from 1.5 m onto concrete, and tumbled 100 cm over 1000 times. Yet it's ergonomically designed to be comfortable and easy to use for up to ten hours with WLAN.

ACCESSORIES

A full line of accessories is available to add functionality to CipherLab's entire line of products.

Pistol Grip

Protective Cover

Vehicle Charger

Communication & Charging Cradle

4-Slot Charging Cradle

Proprietary Terminals

CipherLab rugged and powerfulproprietary terminals enable you to quickly deploy batch and mainframe applications to the point of work, giving employees the tools they need to maximize productivity.

8500 series

Manufacturing and Logistics

Built rugged, with expandable memory, plus Bluetooth® Class 2, and WLAN communications, the 8500 is meant to work hard in harsh environments–wherever it's needed. It's long battery life keeps the unit operational, from multiple shifts using WLAN to multiple weeks in batch mode. VT100/220 and TN5250 emulation, a touchscreen, and multiple keypad choices make the 8500 simple to deploy and easy to use. Select from a range of lasers to read barcodes from 5 cm to 13 m, add RFID to meet the exact requirements of your application.

8400 series

Retail and Warehouse

The 8400 delivers a powerful handheld terminal in a rugged and comfortable form factor. With a 2.6-inch(160 X 160 pixel) display, choice of 29-key numeric or 39-key alphanumeric keyboard, up to 16MB of internal memory, and long battery life, the 8400 gives your workers the tools they need to work all shift long. It's powerful terminal emulation capabilities and wireless communications let you quickly deploy existing, trusted applications right to the point of work. And, a choice of laser, linear imager, or 2D imager ensures the 8400 can meet your exact needs.

8300 series

Warehouse

The 8300 provides batch and wireless data capture capabilities in a truly portable package. It's designed to take tough treatment and deliver outstanding battery life, keeping everyone productive through multiple shifts. Optional WLAN and Bluetooth® Class 2 communications give you access to your servers and connectivity to local devices, like belt-clip printers and local computers, for incredible productivity and worker mobility. A choice of multiple readers and RFID makes it a truly flexible tool.

8000 series

Retail and Healthcare

The 8000 is our handy, lightweight companion for data collection. It easily fits in a pocket, yet enables applications for real-time and batch updates and data access. Long battery life lets it operate through many shifts between charges, and it's easy to learn and easy to use. With optional Bluetooth® Class 2 and WLAN communications, the 8000 series is always ready to go and to do anything. The 8000 series is the perfect companion for hard working, mobile data collection.

GPRS Cradle

Modem/Ethernet Cradle

4-Slot Battery Charger

4-Slot Battery Charger

Belt Holster

Cordless Bluetooth® Scanners

CipherLab wireless Bluetooth® scanners make your employees more productive and keep your customers satisfied by going where the work is, with a range up to 100 meters (300 feet).

1166/1266

Manufacturing and Warehouse

CipherLab wireless Bluetooth® scanners are built tough to withstand harsh environments. With a 100 m (300 ft.) wireless range and up to 45 hours of battery life in batch mode, employees can scan more items in more places–holding over 8,000 scans in batch mode. A smart cradle communicates with up to seven scanners, optimizing your total cost of ownership.

1560/1562/1564

Retail and Healthcare

The 1500 series Bluetooth® scanners extend the performance of the 1500 corded scanner to wireless applications with up to a 90-meter (295 ft.) range. A handy batch mode allows capturing over 32,000 scans. The snappy 1560 features a 2500-pixel optical imager, while the 1562 records data using a laser, both using the unique 3-way stand for auto-sense use. To meet the increasing demand in healthcare, 1564 2D scanner is also available.

1660/1661

Field Mobility and Healthcare

With It's small size and light weight, the handy 1660 scanner puts productivity in your pocket. Bluetooth® communications let you connect to a PDA, smart phone or mobile computer for easy networking. Connect to a PC notebook with the simple-to-use 3610 Bluetooth® transponder. Instantly update information as you scan it, making the 1660 an ideal choice for a low cost, highly mobile data capture solution.

ACCESSORIES

Bluetooth® Transponder

3-in-1 Auto-Sense Stand

Battery Charger

Data Terminals

CipherLab data terminals enable integrated area security, employee activity logging, and business operation tracking, giving you greater control over your most critical assets–workforce resources and line operations.

5000/5100

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

520

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

Corded Scanners

CipherLab popular scanners accelerate and simplify data capture anywhere, while delivering incredibly fast and accurate scans. Using half the power of competitors, CipherLab scanners deliver a high return on investment with hard-working, long-lasting value.

1000/1090+

Retail

The 1000/1090+ contact scanners deliver long-lasting service, reading poorly printed media and a wide range of symbologies, to 3 mil with the 1000. Lightweight and ergonomically designed, they minimize stress on employees. Yet they accelerate data capture and checkuout activities, and are durable enough to hold up to everyday use and abuse.

1100/1105/1200

Manufacturing

CipherLab corded scanners minimize total cost of ownership while delivering accurate data all day long. For laser scanning, the 1200 reads barcodes up to 64 cm away. The 1100/1105 linear imaging scanners have no moving parts for longer life. All our corded scanners deliver reliable data collection and are built rugged to keep on working year after year.

1500/1502/1504

Retail and Healthcare

The 1500 scanner is unique, with next-generation ergonomic design, fast decode speed, and auto-sense stand to improve productivity. The 1500 uses a linear imaging engine with 200 decodes per second for lightning fast work. Designed with no moving parts, the 1500 delivers outstanding reliability. For long barcode scanning, the 1500WA is the perfect tool for accurate scans all day long. To meet the increasing demand in healthcare, 1504 2D scanner is also available.

1704

Manufacturing and Industrial Logistics

Combining ruggedness and reliability with fast, accurate scanning, CipherLab 1704 enables you to capture more symbologies, plus imagery, in industrial applications. The 1704 reads 1D/2D codes and can document events, such as damaged shipments, in a single tool. Document capture, up to size A4, is an option. The high value 1704 rugged scanner is designed for manufacturing, warehouse, and logistics.

CIPHERLAB Smarter

FOR A SMARTER SOLUTION FOR YOUR APPLICATION, VISIT
www.cipherlab.com

SPECIFICATIONS

Corded Scanners	Reader	Scans/second	Resolution	DOF	PCS minimum	IP	Drop test
1000	CCD	100	3 mil	0 to 1 cm / 0 to 0.4 in.	30%	--	1.0 m / 3.3 ft.
1090^{+}	CCD	100	4 mil	0 to 5 cm / 0 to 2.0 in.	30%	--	1.0 m / 3.3 ft.
1100	CCD	100	3 mil	2.5 to 20 cm / 1 to 7.9 in.	30%	--	2.0 m / 6.6 ft.
1105	CCD	100	4 mil	3 to 18 cm / 1.2 to 7.1 in.	30%	--	2.0 m / 6.6 ft.
1200	Laser	35	4 mil	1 to 63 cm / 0.4 to 24.8 in.	30%	--	1.2 m / 4 ft.
1500	CCD	200 200 decodes/sec.	3 mil	0.5 to 35 cm / 0.2 to 13.8 in.	30%	30	1.5 m / 5 ft.
1500WA	CCD	100	3 mil	Long barcode 8.2 cm 8 mil 7.5 to 14.5 cm / 3 to 7.5 in.	30%	30	1.5 m / 5 ft.
1502	Laser	100	4 mil	2 to 57 cm / 0.8 to 22.4 in.	45%	30	1.2 m / 4 ft.
1504	2D	60 frames/sec.	1D- 3mil 2D- 5mil	PDF417 10 mil 0 to 22.9 cm / 0 to 9 in.	30%	30	1.2 m / 4 ft.
1704	2D	30 frames/sec.	1D- 5 mil 2D- 6.67 mil	PDF417 10 mil 7.6 to 19.8 cm / 3 to 7.8 in. Data Matrix 10 mil 4 to 16 cm / 1.6 to 6.3 in.	25%	54	1.8 m / 6 ft.

Bluetooth® Scanners	Reader	Range of coverage	Scans/second	Resolution	DOF	Memory	IP	Drop test
1166	CCD	100 m 328 ft.	100	4 mil	2 to 33 cm 0.8 to 13 in.	128K	--	1.2 m 4 ft.
1266	Laser	100 m 328 ft.	100	4 mil	1 to 63 cm 0.4 to 24.8 in.	128K	--	1.2 m 4 ft.
1560	CCD	90 m 295 ft.	200 200 decodes/sec.	3 mil	0.5 to 35 cm 0.2 to 13.8 in.	512K	30	1.2 m 4 ft.
1562	Laser	90 m 295 ft.	100	4 mil	2 to 57 cm 0.8 to 22.4 in.	512K	30	1.2 m 4 ft.
1564	2D	90 m 295 ft.	60 frames/sec.	1D- 3mil 2D- 5mil	PDF417 10 mil 0 to 22.9 cm / 0 to 9 in.	4M	30	1.2 m 4 ft.
1660/1661	CCD	10 m 3.3 ft.	100	3 mil	3.5 to 38 cm 1.4 to 15 in.	256K / 512K	--	-- / 90 cm 3.0 ft.

Proprietary Terminals	Wireless options			Reader options						IP	Drop test
	IEEE 802.11 b/g	Bluetooth® Class II	GSM/ GPRS	Linear	Laser	Long range	X-long	2D	RFID		
8000 series	√	√		√	√					--	1.2 m 4 ft.
8300 series	√	√		√	√	√			√	65	1.2 m 4 ft.
8400 series	√	√		√	√			√		54	1.5 m 5 ft.
8500 series	√	√		√	√	√	√	√	√	64	1.5 m 5 ft

Windows® Terminals	Win CE	Wireless options			GPS ready	Reader options							IP	Drop test
		IEEE 802.11 b/g	Bluetooth® Class II	GSM/ GPRS		Linear	Laser	Long range	X-long	2D	RFID	Camera		
9300 series	6.0	CCX v.4	√				√			√			64	1.5 m 5 ft.
9400 series	5.0	√	√			√	√			√	√		64	1.5 m 5 ft.
9500 series	5.0	√	√			√	√	√	√	√	√		64	1.5 m 5 ft.
9600 series	6.0	CCX v.4	√	√	√	√	√			√	√	√	64	1.5 m 5 ft.

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