CIPHER LAB
Smarter

9500

9500 series
Industrial Mobile Computer

Designed to fit your world, the 9500 series gives you the right data capture tools at the right time, so you can make smarter decisions for your business.

The 9500 series lets you work indoors and outside, safely, effectively, and easily, with *both* RFID and barcode reading capability (imager or laser), and communicate wirelessly in three different ways to your corporate information systems. The 9500 series is the most versatile, efficient, mobile computer available.

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Industrial / Manufacturing

From paper products to electronics, automobiles, and pharmaceuticals, the 9500 series helps streamline your workflows and puts timely information in front of the people who need it to make both everyday and critical decisions that drive a successful business. From receiving and inspection, through WIP, QA, and shipment, the 9500 series, with industry-standard Windows® operating system, gives all your processes a flexible, rugged data capture tool that easily integrates into your back-end systems. Workers will appreciate its rugged, yet comfortable design, long battery life, and flexible data capture capabilities.

With both RFID and barcode reading capabilities, the 9500 series enables you to take advantage of tracking existing material, process, and product data, plus prepares you for more comprehensive RFID tagging possibilities beyond lots and batches. The 9500 gives your operations the capabilities to build a better business today and tomorrow.

Transportation / Logistics

What could be better than getting the right goods to the right place, delivered on time? Knowing their location, movement, condition, and delivery status every step along the way. The 9500 series is your key to logistics and transportation success by keeping you informed with more accurate data for scheduling, dispatching, shipping, receiving, and route accounting. A rugged device with flexible data capture—both RFID and barcode reading—this mobile, handheld computer is easy to use indoors and in daylight, and combines powerful computing with long battery life and multiple communications options to get accurate data where it's needed, when it's needed.
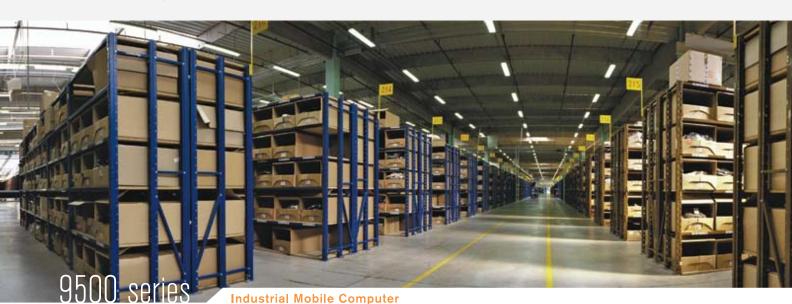
As RFID applications increase to monitor, secure, and protect goods and shipments, the 9500 gives you the right tool to meet mandates and stay proactive. With the 9500 in your infrastructure, you can stay a step ahead of your delivery and your competition.

Easy Label Reading—At Any Distance

Eliminate the impacts on productivity from reading labels in distant or physically hard-to-reach locations, and accelerate all reading activities with longer-range lasers. The 9500 series gives you laser choices to read farther, while still reading barcodes close up.

The 9500-LL, with a long-range laser, reads a 10 mil label as close as 5 cm (2 in.), while still able to read a 55 mil label as far away as 2.3 meters (7.6 ft.). For longer distances, the 9500-XL, with extra-long-range laser, can read a 10 mil label at 15 cm (6 in.) and a 100 mil label up to 13 meters (43 ft.) away. Whether workers need to scan products inches away, across the aisle, or on the very top shelf, the 9500 series easily conforms to your work environment, making it ideal for many applications.

- Asset tracking
- Inventory management
- Pallet tracking
- Picking and put away
- Shipping and receiving
- Tool crib
- Warehouse management
- Work in process

Wide Acceptance, Broad Application

Retail, manufacturing, professional service, government agency, and healthcare industries have benefited from CipherLab's innovative designs, comfortable ergonomics, ruggedness, features, and value in their mobile computer products.

Flexible, Powerful, Effective Data Collection
That Works The Way You Do

BUILT STRONG FOR EXTREME ENVIRONMENTS.

Bumps, drops, cold, heat, humidity and constant use. These are the reasons we designed the 9500 for the most extreme treatment. It can withstand repeated 1.5 meter drops onto concrete, temperatures from -10°C to 50°C with up to 95% humidity, and dusty, wet environments to IP64 specifications—and continue to deliver the performance you need.

PERFECT FOR ENTERPRISE-WIDE SYSTEM SOLUTIONS.

Designed around industry-leading Intel® XScale™ Technology and Windows operating systems, the 9500 delivers maximum computing power with multimedia, energy efficiency, and easy application and system integration capabilities. Its large memory capacity, plus SD and CompactFlash® slots, increase flexibility and expandability for large system applications.

THERE WHEN YOU NEED IT.

The 9500 keeps working day and night with efficient energy usage and long battery life. Its 4000 mAh battery enables up to 20 hours of use between recharges[1] for multi-shift operations. A backup battery protects data during battery replacement.

AN EFFECTIVE INVESTMENT—FOR TODAY AND TOMORROW.

The 9500 series maximizes data collection flexibility with minimum total cost of ownership. With multi-mode communications and both RFID and a barcode reader in the same device, you can collect multiple data types and transmit anywhere, making the 9500 series ideal for a variety of applications, in-house and in the field. If RFID is not yet part of your infrastructure, you'll be ready for it without additional investment.

THE RIGHT TOOL AT THE RIGHT TIME AND THE RIGHT PLACE.

Built to work the way you do, the 9500 integrates a range of communications options. 802.11bg WLAN enables instant communications with back-end systems through local access points. GSM/GPRS WWAN gives you maximum productivity in the field to update enterprise databases from anywhere. Bluetooth Class 2 puts more information in more places wherever and whenever you need it. Plus, USB and Ethernet-enabled cradles give you limitless options for communications.

EASY TO USE.

The large 3.5-inch transflective, backlit display and touchscreen let workers easily view information indoors and in bright daylight. The 27-key keypad and touchscreen stylus give users different control options, while multiple feedback methods keep them informed of system activities. Comfortable for long hours of use with or without the pistol grip, the 9500's are supported with a full range of accessories.

CIPHERLAB PRODUCTS ARE VALUED WORLDWIDE FOR ENGINEERING EXCELLENCE. **THE 9500 SERIES** IS ANOTHER EXAMPLE OF TECHNICAL INNOVATION AND QUALITY VALUE FOR TODAY'S AIDC SOLUTIONS.

[1] *Based on one standard laser scan per five seconds with backlight on*

SPECIFICATIONS

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ACCESSORIES

		9500PPC	9500CE
Performance	Operating system	Microsoft® Windows® Mobile 2003 for Pocket PC 2nd Edition	Microsoft® Windows® CE 5.0 Professional
	CPU	Intel® XScale™ PXA255 @ 400 MHz	Intel® XScale™ PXA270 @ 520 MHz
	Memory	128MB Flash ROM 64MB SDRAM	128MB Flash ROM 128MB SDRAM
	Expansion	SD card slot / CompactFlash® type 2 slot	
	Operating power	Removable, rechargeable 3.7 V 4000 mAh Li-ion battery	
		Adapter: AC 110 V / 220 V input DC 6 V / 3.3 A output via cradle	
	Working hours[1]	16 hours batch mode 10 hours WLAN mode	20 hours batch mode 13 hours WLAN mode
	Backup power	3.7 V 110 mAh Lithium battery	
		Data sustained 6 hours minimum	
	Alerts	Volume adjustable speaker / Programmable vibrator / LED signals	
Wireless Communication	WLAN	Wi-Fi 802.11b (250 m line of sight)	Wi-Fi 802.11b/g (300 m line of sight)
	WPAN	Bluetooth® Class 2	
	WWAN	–	GSM/GPRS
Data Capture	Barcode scanning	Linear imager / Laser / Long range laser / Extra long range laser / 2D imager	
	RFID reader/writer	Frequency: 13.56 MHz Supported tags: ISO 14443A, ISO 14443B, ISO 15693, ICODE	
Physical Characteristics	Display	3.5" Color QVGA, TFT transflective, touch screen, LED backlit	
	Keypad	27 keys LED backlit	
	LED	Dual: green, red	Triple: green, red, blue
	Size (L x W x H) Weight	230 x 91 x 63 mm / 9.1 x 3.6 x 2.5 in. 600 g / 21.2 oz. configuration dependent	
User Environment	Operating temperature	-10ºC to 50ºC / 14ºF to 122ºF	
	Storage temperature	-20ºC to 60ºC / -4ºF to 140ºF	
	Humidity	5% to 95% non-condensing	
	Impact resistance	Multiple 1.5 m / 5 ft. drops onto concrete, 5 drops on each side / IP64	
	Electrostatic discharge	± 8 kV direct electrostatic discharge	
	EMC regulation	CE, FCC, RSS-210, TELEC, C-Tick	
	Programming	eMbedded Visual C++ 4.0, eMbedded Visual Tools, Visual Studio.NET, Visual Studio 2005, CipherLab Application Generator, Terminal Emulation	
		Windows® Pocket PC SDK	Windows® CE 5.0 SDK
	Communication cradle	USB client	USB client / USB host / Ethernet
	Accessories	4-slot battery charger, vehicle cradle, belt holster, protective cover, pistol grip	
	Warranty	1 year	

[1] Based on one standard laser scan per five seconds with backlight on

Charging & Communication Cradle USB client / USB host / Ethernet

Travel Cradle

Vehicle Cradle DC 12 to 48 V input

4-Slot Battery Charger

Belt Holster

Protective Cover

Pistol Grip

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