



## 9500 series

Industrial Logistics 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 imager or laser, and communicate wirelessly three different ways to your corporate information systems. The 9500 Series is the most versatile, efficient, mobile computer available.

# 9500 series

Industrial Mobile Computer



## 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 Series 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 Series gives you the right tool to meet mandates and stay proactive. With the 9500 Series 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.



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## 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 Series 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 Series 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 Series 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<sup>1</sup> 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 Series integrates a range of communications options. 802.11b 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 transfective, 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.

<sup>1</sup> Based on one standard laser scan per five seconds with backlight on

SPECIFICATIONS

# 9500 series

## Industrial Mobile Computer



		9500PPC	9500CE	
<b>Performance</b>	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 <sup>1</sup>	16 hours batch mode 10 hours WLAN mode	20 hours batch mode 18 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		
<b>Wireless Communication</b>	WLAN	Wi-Fi 802.11b		
	WPAN	Bluetooth Class 2		
	WWAN	-	GSM/GPRS	
<b>Data Capture</b>	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		
<b>Physical Characteristics</b>	Display	3.5" Color QVGA, TFT transfective, 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		
<b>User Environment</b>	Operating temperature	-10°C to 50°C / 14°F to 122°F		
	Storage temperature	-20°C to 60°C / -4°F to 140°F		
	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			

## ACCESSORIES



**Charging & Communication Cradle**



**Travel Cradle**  
USB client / USB host / Ethernet



**Vehicle Cradle**  
DC 12 to 48 V input



**4-Slot Battery Charger**



**Belt Holster**



**Protective Cover**



**Pistol Grip**

<sup>1</sup> Based on one standard laser scan per five seconds with backlight on



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