CIPHER LAB
Smarter

9400

9400 series
Industrial Mobile Computer

Built powerful and compact, the 9400 Series puts more capabilities in the palm of your hand to make your work simpler and faster.

All the right data-capture, display and input devices are integrated with wireless communication, signature- and image-capture technologies in the new 9400. Manage more information from more places, using barcode, RFID, camera, keyboard, and touch screen. Put the whole world in one hand with the new 9400 from CipherLab.

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Faster, More Efficient Field Sales and Service

No matter where you are in the field or what you're doing, with the 9400 Series you're never out of touch with the critical information you need to sell more or complete service faster. The latest customer information, purchase trends, and product usages are instantly available from your host systems through Wi-Fi or GSM/GPRS/EDGE networks to keep you proactive, productive, and ready to respond to your customers' needs with exact product solutions. Scan product codes, place and confirm orders, capture customer signatures—even converse with your office using Voice over IP—while still on site. With the small, comfortable 9400 Series, it's easier to take care of your customers' product needs anytime, anywhere.

For field service activities, the 9400 Series makes your work easier and faster, giving you access to the information and tools you need in the field, while making it easier to understand technical data on the screen. Supporting multiple methods for data input—keypad, touchscreen, barcode, and signature capture—and offering a high-resolution VGA display and a two megapixel camera, the 9400 Series gives you more ways to search, find, and view information, while documenting activities and confirming service completion with customers.

Unstoppable Retail

With the power of your Windows®-based retail applications, multiple AIDC capabilities, wireless networks, and Bluetooth connectivity, the 9400 Series makes it easier than ever to manage products and track, and even process sales. Whether you're working on the sales floor or out of a delivery truck, the 9400 Series enables you to scan and update inventory, take orders—with signature capture—and send replenishment data. Wi-Fi and GSM/GPRS/EDGE connectivity keep you connected to your server applications whether they're located in the same facility or across the country. While you might be at a satellite store, the 9400 Series will put your entire company operation in the palm of your hand.

Limitless Applications

What could be better than an incredibly easy to use and lightweight AIDC tool? One that easily masters your business applications, empowering your workforce with all the tools available in your host systems. The 9400 Series, based on Windows CE 5.0 and supported by a wide variety of development tools, puts incredible computing possibilities in your employees' hands.

DEVELOPMENT TOOLS	CIPHERLAB SOFTWARE SOLUTIONS
Microsoft® eMbedded Visual C++ 4.0	CipherLab **STREAM** Wireless Studio
Microsoft® Visual Studio 2005	CipherLab **FORGE** Application Generator
Microsoft® Visual Studio.NET	CipherLab **MIRROR** Terminal Emulators and Browser
Windows CE SDK	**MCL**-Collection
	Wavelink® Avalanche® and Emulators

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Wide Acceptance, Broad Application

Retail, manufacturing, field service, government agency, and healthcare industries benefit daily from CipherLab's innovative designs, comfortable ergonomics, ruggedness, performance features, and solid value in a full range of mobile computer products.

Comfortable and Easy to Work With, Yet Rugged and Powerful

BUILT STRONG FOR EXTREME ENVIRONMENTS.

Bumps, drops, cold, heat, humidity, and daily use. These are the reasons we designed the 9400 Series for everyday work environments. It can withstand repeated 1.5m drops onto concrete, temperatures from -10 to 50° C with up to 95% humidity, and dusty, wet environments to IP64 specifications. It's even been tested to continue to deliver the performance you need after being tumble-dropped thousands of times.

PERFECT FOR DEMANDING, ENTERPRISE-WIDE SYSTEM SOLUTIONS.

Designed around industry-leading Intel® XScale™ Technology and Windows CE operating systems, the 9400 Series delivers maximum computing power with multimedia, energy efficiency, and easy application and system integration capabilities. Its large memory capacity; a wide range of application development support from Microsoft, CipherLab, MCL and Wavelink; miniSD slot; and VoIP support maximize flexibility and scalability for large system applications.

EASY TO CARRY. EASY TO USE.

There are so many things about the 9400 Series that make it the best AIDC tool. Because it's small, lightweight, and comfortable, it's easy to use all day long. A true VGA screen option for crystal clarity makes it easy on your eyes, while giving you the highly detailed images you need. A 3.5-inch transflective, backlit display lets you easily view information indoors and in bright daylight. Multiple feedback methods keep you informed of system activities. And the option of a 28- or 59-button alphanumeric keypad lets you adapt the 9400 Series to your work—not the other way around.

THE PERFECT TOOL WHEREVER YOU NEED IT.

Built to keep you in touch, the 9400 Series integrates a range of communications options. 802.11b/g WLAN enables instant communications at the highest speeds with back-end systems through local access points. GSM/GPRS/EDGE WWAN gives you maximum productivity in the field by allowing you to view information and update corporate data from anywhere. Bluetooth Class 2 lets you expand capabilities with headsets, magnetic card readers, printers, and much more.

CIPHERLAB PRODUCTS ARE VALUED WORLDWIDE FOR ENGINEERING EXCELLENCE. THE 9400 SERIES IS ANOTHER EXAMPLE OF TECHNICAL INNOVATION AND QUALITY VALUE FOR TODAY'S AIDC SOLUTIONS.

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CipherLab 9400 and 9500 are both rugged, Windows-based mobile computers, ready to go to work for you.

	Model	9400	9470	9480	9490
Performance	Operating system	Microsoft® Windows® CE 5.0 Professional			
	CPU	Intel® XScale™ PXA270 @ 520 MHz			
	Memory	128MB Flash ROM / 128MB SDRAM			
	Expansion	Mini SD® slot			
	Operating power	Removable, rechargeable 3.7 V 1800 mAh Li-ion battery			
		Adapter: AC 110 V / 220 V input, DC 6 V / 3.3 A output via cradle			
	Working hours[1]	10 hours batch mode 8 hours WLAN mode			
	Backup power	3.7 V 70 mAh Lithium battery			
		Data sustained 20 hours minimum			
	Alerts	Audio speaker / Vibrator / Tri-color LEDs			
	Microphone	via Bluetooth or wired headset			
Wireless Communication	WLAN	-	Wi-Fi 802.11 b/g 250 m line of sight[2]	-	Wi-Fi 802.11 b/g 250 m line of sight[2]
	WPAN	Bluetooth Class 2			
	WWAN	-	-	GSM/GPRS/EDGE (Quad-band) for data only	
Data Capture	Barcode scanning	Linear imager / Laser / 2D imager			
	RFID reader/writer	Frequency: 13.56 MHz Supported tags: ISO 14443A, ISO 14443B, ISO 15693, Tag-it			
	Digital camera	2 megapixels CMOS			
Physical Characteristics	Display	3.5" Color VGA or QVGA, TFT transflective, touch screen, LED backlit			
	Keypad	28 shared or 59 full alphanumeric LED backlit keys			
	LED	Green, red, blue tri-color			
	Size (L x W x H) Weight	170 x 90 x 38 mm / 6.7 x 3.5 x 1.5 in 400 g / 14.1 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	Multi 1.5 m / 5 ft. drops onto concrete, 5 drops on each side / 2000 tumbles (50cm / 20 in. in height) / IP64			
	Electrostatic discharge	± 15 kV air discharge; ± 8 kV direct discharge			
	EMC regulation	CE, FCC, RSS-210, TELEC, C-Tick			
	Programming	eMbedded Visual C++ 4.0, Visual Studio.NET, Visual Studio 2005, Windows CE SDK, Reader Configuration Utility, CipherLab Power Suite FORGE Application Generator, STREAM Wireless Studio, MIRROR Terminal Emulation, Wavelink, MCL			
	Communication cradle	USB Client / USB Host			
	Accessories	Vehicle cradle, travel charge and communicate cradle, rechargeable battery pack, belt holster, pistol grip, protective cover, stylus			
	Warranty	1 year			

[1] Based on one standard laser scan per five seconds with backlight on
[2] Effective coverage depends on user environment and equipment deployment. It is highly recommended to conduct a site survey before actual deployment.

ACCESSORIES

Charging and Communication Cradle
USB client / USB host

Pistol Grip

Belt Holster

Travel Cradle

Protective Cover

USB Ethernet Adapter

TÜV CERT   DIN EN ISO 9001

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