



8200 series



Enterprise Mobile Computer

Light, compact, and easy to use, the 8200 series is built to meet your needs in retail and healthcare applications. It's feature-packed and comes with long-lasting power performance, wireless connectivity, and big display. It supports C and Basic programming also provides Application Generator for fast customization. The 8200 series is just what you need to increase productivity, deliver quality customer service, and generate instant profits.



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Small Size, Big Performance

Everything You Need for Running Smarter Business

CipherLab maximizes retail workflow and productivity with the introduction of the all new 8200 series. This highly versatile mobile computer features a lightweight, ergonomic form factor and low power consumption to help you carry out day-to-day data collection routines with unique application requirements. From data input versatility to memory capacity expansion and wireless communication, the 8200 series puts the right information in the right hands – guaranteed.

As an ideal choice for healthcare applications, the 8200 series is perfect for capturing and processing important data in hospitals, pharmacies and nursing homes, from point-of-care patient identification to record management with seamless accuracy.

- **Compact, ergonomic, and low power consumption**
- **Expandable data storage capacity**
- **C and Basic programming fast and easy Application Generator**



Compact and Ergonomic All-Day Work Comfort

Ergonomically designed to fit comfortably in your palm as well as your pocket, the 8200 series lightens heavy-duty data collection tasks, such as receiving goods, filling empty shelves or performing inventory checks. More work can be done in less time, by fewer people, and with fewer errors.



Low Power Consumption and User-Friendly, Reassured Accuracy for Continual Productivity

During the retail peak seasons such as holidays, any kind of data-related delay or error can result in long checkout lines, misplaced orders and problematic delivery service. With this powerful mobile computer which comes with nearly 100 operating hours *, and customizable pre-recorded voice notification feature to ensure the accuracy for all-day data collection, you can always run the tasks smoothly.

*Battery performance may vary depending on product model, configuration, applications, and features utilized.



Increased Data Storage, Expanded Capacity

The 8200 series offers an on-board data storage capacity of 4MB or 8MB and a built-in Micro SDHC slot. A significant amount of data can be captured and stored, plus the time spent on computer data entry and back-end system updating can be greatly reduced. For instance; a bookstore customer service representatives can quickly serve their shoppers by checking the customer data and the status of book orders directly on the shop floor via the 8200 series.



Versatile Design with Wireless Connection to Boost Workflow Efficiency

Diverse Enterprise Support

The 8200 series is designed to fully support every need for the enterprises. It brings together powerful computing with a variety of data input options – whether it's a laser reader for outdoor use, a linear imager for short-distance scanning, or a imager for decoding 2D barcodes which is often seen in the food processing or pharmaceutical industries. With its 24-key phone-style LED-backlit keypad for data entry, the 8200 series ensures data input accuracy under all circumstances. No matter what the application is, the easy-to-learn user interface certainly saves time in training new staff and first-time users.



Real-Time Wireless Connection

For fast data transmission and seamless real-time access to the back-end system, you can choose from *Bluetooth*® Class 2.1+EDR, IEEE 802.11 b/g/n, or both. Users can quickly capture and upload the data to head office and print labels and forms via a *Bluetooth*® printer. They can also take customer orders and have them sent to the checkout stand at point-of-sale to speed up the process and improve the overall shopping experience.



Reassured Clarity and Comfort

Featuring a 2.1", 160x160 pixels LED-backlight display, the 8200 series let you view more data at once and provides the clarity you need to check information under dimly lit environments. To add comfort and efficiency to intensive scanning duties, an optional pistol grip is also available.



Extend your Applications

for Effective Data Capture, Transmission and Management

The CipherLab software development kit enables easy customization for the 8200 series with a variety of applications and tools to satisfy your unique day-to-day operation needs – enabling it to communicate data across platforms to back-end servers via Wireless LAN using FTP (File Transfer Protocol).



Mirror
Terminal Emulator

Extend complex mainframe applications to CipherLab devices to save time and development effort



Forge
Application Generator

Easily customize applications for your needs



Blaze
C and BASIC Compiler

Enable quick development and deployment of custom business applications



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		8201	8231
Performance	CPU	32-bit	
	Memory	8 MB Flash / 4 MB or 8 MB SRAM	
	Expansion	micro SD slot with SDHC support	
	Operating power	Rechargeable 3.7V 1200 mAh Li-ion battery	
	Working hours ¹	124 hours	20 hours ²
	Data retention	25 days	
	Alert	Dual-color LEDs (red/green, blue/green), vibrator, voice	
Wireless communication	WLAN	--	8231: IEEE802.11 b/g/n
	WLAN security	--	WEP, EAP, WPA (PSK), WPA2 (TKIP, AES, PSK)
	WPAN	--	Bluetooth® V2.1+EDR class 2
	Bluetooth® profile	--	SPP, DUN, HID, FTP
Data capture	Barcode scanning	Linear imager/ Laser / 2D imager	
Physical characteristics	Display	2.1" 160x160 pixels, white LED backlight	
	Keypad	24 keys, white LED backlight	
	Size (LxWxH)	136 x 58 x 25mm (Linear imager) / 136 x 58 x 32 mm (Laser/2D)	
	Weight (laser including battery)	150g / 5.3 oz.	
User environment	Operating temperature	-10° to 55° C / 14° to 131° F	
	Storage temperature	-20° to 70° C / -4° to 158° F	
	Humidity (non-condensed)	Storage 5% to 95% / Operating 10% to 90%	
	Impact resistance	Multiple 1.2m/4 ft. drop onto concrete, 5 drops on each side / IP54	
	Electrostatic discharge	± 15kV air discharge / ± 8kV direct discharge	
	EMC regulation	FCC, IC, CE, RCM, CCC, BSMI	FCC, CE
Development support		BLAZE C Compiler and BASIC Compiler	
Application software		FORGE Application Generator including data transmission OCX, MIRROR Terminal Emulator	
Cradles		Charging and communication cradle, Ethernet cradle	
Accessories		Protective cover, pistol grip, USB cable, RS232 cable, 4-slot battery charger	
Warranty		1 year	

1. Based on one standard laser scan per five seconds with backlight off.
 2. Bluetooth® off / IEEE 802.11b/g on. The test is based on one broadcasting packet per second.



ACCESSORIES



Charging and communication cradle/
Ethernet cradle



Protective cover



Pistol grip



4-slot battery charger



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