



8300 series

Light Industrial Mobile Computer

Rugged and lightweight, the 8300 series delivers data capture and communication to achieve new levels of streamlined efficiency.

These powerful mobile computers provide accurate and real-time information critical to optimizing the performance in warehouse, distribution center, delivery vehicle, or stockroom.

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Supply Chain: The Time/Space Continuum

The 8300 puts power in the hands of the people that need it most. With these versatile mobile computers, the front office gains insight and control, managers gain timely data detail and employees gain a rugged work partner that makes their jobs easier.

Combining accurate data capture with robust computing power in a rugged ergonomic form, the 8300 brings supply chain efficiency and accuracy to benefit successful enterprise systems, including:

- ▶ ***In-depth inventory management data in real time***
- ▶ ***Reorder and restock controls for increased inventory turns***
- ▶ ***Shorter pick and pack cycles***
- ▶ ***Effective order entry and fulfillment***
- ▶ ***More responsive customer service***
- ▶ ***Error and loss reduction throughout all processes***
- ▶ ***Labor cost efficiency for high return on investment***

Logistics: Beyond the Clipboard

Keep your people, and your business, running smoothly with the capabilities of the 8300 series of light industrial mobile computers.

These powerful tools offer capture, computing and communications capabilities to support the challenges of transportation management including scheduling, dispatching, shipping, receiving, and route accounting.

Whether by air, rail, ship, truck and van, real time data allows you to control operations from source to sale, from store to buyer.

Sales Force Automation: Less Force, More Sales

Route accounting, field sales and customer relations are empowered with the accuracy, efficiency and workforce controls of a mobile computing system. A streamlined and accurate supply chain, including picking and packing, route assignment, paperless accounting and batch or wireless reporting and ordering are supported with the flexible power of the 8300 series.

Field sales automation allows integration with enterprise-wide CRM systems allowing lead generation, scheduling, contact information, performance tracking, order, status and delivery status management.

Wide Acceptance, Broad Application

Retail, manufacturing, professional service, government agency, and health care applications will benefit from the rugged construction, lightweight ergonomics, robust data management, variety of code readers and long-lasting power supply in the 8300 series.

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A Smart Investment for Supply Chain Solutions.

GET RUGGED FOR TOUGH JOBS.

The 8300 series is engineered to survive the roughest environments. Built to withstand dust and water to IP65 specifications, it operates in temperatures from -10° to 60° C and humidity up to 95%.

Resilient inside and out, the 8300 is tough enough to take repeated 1.2M drops onto concrete and still deliver accurate performance day after day.

DECODE FOR PINPOINT ACCURACY.

With multiple scanning options and unparalleled reading accuracy, the 8300 series is the right tool for the most complex, rigorous operations.

Need to collect combined RFID and bar code data or capture graphic detail? Gain flexibility with data reader options that allow custom matching read and decode capability— choose from linear imager, laser, long-range laser and/or 13.56 MHz RFID.

SMART, ROBUST COMPUTING.

Running on a 16-bit CMOS CPU, the 8300 series terminals are equipped with 2MB flash memory and 1MB SRAM enabling complete data manipulation and storage. Need even more data? Add an optional 4MB or 8MB of SRAM.

REAL INFORMATION, RIGHT NOW.

The 8300 turns data into power. Efficient data collection and real-time sharing gives workers and managers the knowledge they need to be most efficient and productive. Add real-time two-way WAN/WLAN capability and the benefits grow exponentially.

The 8300 series provides capabilities ranging from batch transmission via USB cradle and 56k modem up to two-way Bluetooth and WiFi wireless for up-to-the-moment data management. Link to a wireless/portable printer, or transmit via mobile telephone GPRS through the Bluetooth connection.

WORKS ALL DAY, WORKS ALL NIGHT.

The high-performance lithium-ion 3.7V 1800mAh battery lasts through the workday, when using batch reporting and the laser option, up to 270 hours between recharges. A companion back-up rechargeable battery guarantees data security for 36 days, even when it's time to recharge.

APPLICATION READY.

Coordinating critical procurement, assembly and delivery functions requires a suite of business and database applications and interfaces. CipherLab's proven proprietary operating system supports a wide variety of "C" and "BASIC" solutions from batch to wireless connectivity. Custom applications are easily accommodated using existing CipherLab libraries and/or a Windows-based applications generator.



CIPHERLAB HAS BUILT ITS
WORLDWIDE REPUTATION ON
ENGINEERED EXCELLENCE.

THE 8300 SERIES

IS ANOTHER EXAMPLE OF
TECHNICAL INNOVATION AND
QUALITY VALUE FOR TODAY'S
AIDC SOLUTIONS.

SPECIFICATIONS

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		8300	8330	8360	8370
Communication	Options	Batch	Bluetooth+Wi-Fi	Bluetooth	Wi-Fi
	Specifications	Infrared	BT Class 2+802.11b/g	BT Class 1	802.11b/g
	Coverage (line of sight)	Typically 30 cm / 12 in.	BT-10 m/32.8 ft, WiFi 350 m/1148 ft	250 m / 820 ft.	350 m/1148 ft
Power	Operating power	Li-ion 3.7 V/ 1800mAh battery			
	Working hour (laser scan/5 sec)	270 hours	40 hours	40 hours	40 hours
	Backup power	3.0V, 7.0mAh, rechargeable Lithium battery			
	Data retention	36 days			
General Characteristics	Computing	16 bit CMOS CPU, 2MB flash memory; 2MB SRAM (additional 4MB/8MB options are available)			
	Display	LCD 128x64 with LED backlight			
	LED	Green and red dual color			
	Keypad	24 Numeric or 39 Alphanumeric rubber keys with LED backlight			
	Alerts	Programmable, 1KHz or 4KHz Buzzer; Vibrator			
	Dimensions (L x W x H)	170mm x 77mm x 47mm / 6.7in x 3in x 1.9in			
	Weight (batch type, laser reader)	290g / 10.2oz			
Scanners	Reader options	Linear imager, Laser, Long range laser			
	Light source	Linear imager: 650nm Red LED; Laser: Visible Laser Diode			
	Scan rate	Linear imager: 100/sec; Laser: 100/sec; Long range laser: 35/sec			
	Scan angle	Laser: 47 degree; Long range laser: 42 degree			
	Reading range	Linear image : 5~29.5cm/0.16ft ~0.96ft; Laser: 1~45cm / 0.03ft~1.47ft; Long range laser: 5~218cm / 0.16ft~715ft (depends on barcode resolution)			
RFID	Frequency 13.56 MHz	Optional	-	-	Optional
	Supported standard list	Mifare ISO 14443B, ISO 15693, ICODE			
Environmental	Operating temperature	-10°C to 60°C / 14°F to 140°F			
	Storage temperature	-20°C to 70°C / -4°F to 158°F			
	Humidity	Operating: Non-condensed 10% to 90%, Storage Non-condensed: 5% to 95%			
	Impact resistance	1.2M / 4 ft (5 drops per 6 sides) / IP65			
	Electrostatic discharge	± 15 kV air discharge, ± 8 kV direct discharge			
	EMC regulation	FCC, CE, C-Tick			
Programming Language	C, BASIC, and a Windows-based applications generator				
Accessories	Charging & communication cradle (RS-232 cable, Keyboard wedge cable, USB cable), Modem cradle (56K), Ethernet cradle (10/100 BaseT), 4-slot battery charger				
Warranty	1 year				

ACCESSORIES



Charging & Communication Cradle



Modem Cradle Ethernet Cradle



4-slot Battery Charger



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