



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, route accounting and telephony.

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.



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? 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 2MB 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

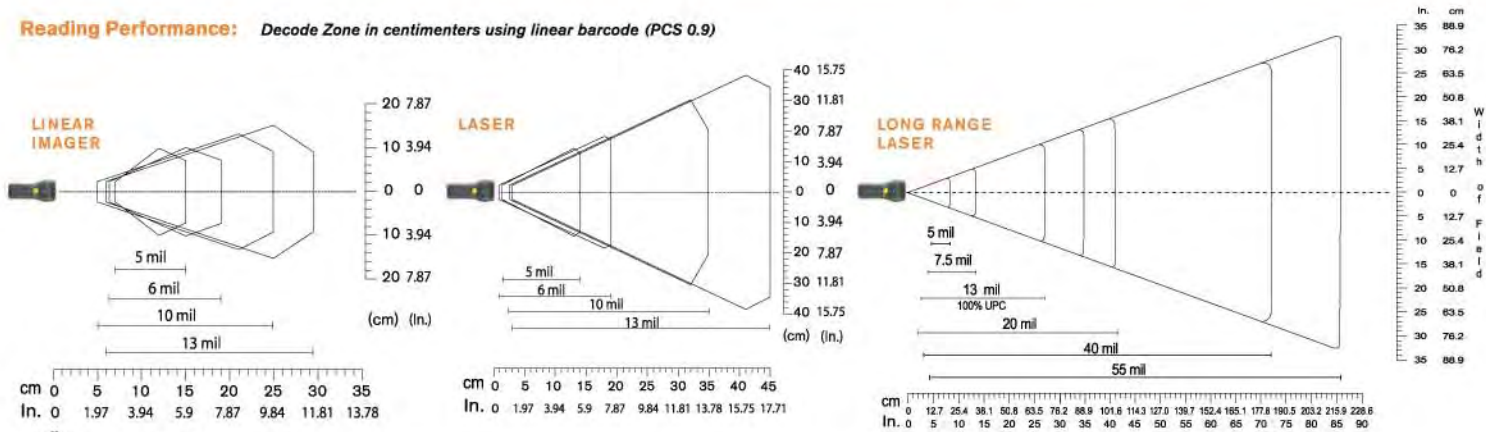
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		8300	8330	8360	8370
RF Terminals	Options	–	Bluetooth + WiFi	Bluetooth	WiFi
	Specifications	–	BT Class 2 + 802.11b	BT Class 1	802.11b
	Coverage (line of sight)	–	BT- 10m, WiFi- 250m	250m	250m
Power	Operating power	Li-ion 3.7V/ 1800mAh battery			
	Working power (laser scan/5 sec)	270 hours	20 hours	40 hours	20 hours
	Backup power	3.0V, 7.0mAh, rechargeable Lithium battery			
	Data retention	36 days (2MB SRAM)			
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 to 4KHz Buzzer; Vibrator			
	Dimensions	170mm (L) x 77mm (W) x 47mm (H); 290g (Batch type, Laser reader)			
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 ranger laser: 35/sec			
	Scan angle	Laser: 47 degree; Long range laser: 42 degree			
	Reading range	Linear Imager: 5~29.5cm; Laser: 1~ 45 cm; Long range laser: 5~218cm (depends on barcode resolution)			
RFID	Frequency 13.56 MHz	Optional	–	–	Optional
	Compliant Card list	Mifare ISO 14443A, SR176 ISO 14443B, ISO 15693, ICODE			
Environmental	Operating Temperature	-20 to 60 degree C	-10 to 60 degree C	-20 to 60 degree C	-10 to 60 degree C
	Storage Temperature	-20 to 70 degree C			
	Humidity	Operating: Non-condensed 10% to 90%, Storage: Non-condensed 5% to 95%			
	Shock resistance	1.2M (5 drops per 6 sides) / IP65			
	Electrostatic discharge	+/- 15kV air discharge, +/- 8kV direct discharge			
	EMC Regulation	FCC, CE, C-Tick			
	Programming Language	"C", "BASIC", and a Windows-based Application Generator			
	Accessories	Charging & communication cradle (RS-232 cable, Keyboard wedge cable, USB cable), Modem cradle (56K), Ethernet cradle (10/100 Base T), Battery gang charger			
	Warranty	1 Year			

Reading Performance: Decode Zone in centimeters using linear barcode (PCS 0.9)



TÜV CERT DIN EN ISO 9001

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