



8300 series

Light Industrial Mobile Computer

Rugged and lightweight, the highly programmable 8300 series delivers diverse data capture and communication capabilities that easily integrate with your information systems, while improving productivity in your workforce.

The 8300 series enables secure, accurate, real-time information delivery critical to keeping managers informed and optimizing performance in the warehouse, distribution center, and the stockroom.

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Efficient supply chains mean better profitability

To maximize productivity and profits today, supply chains must be efficient, intelligently applying technology in the hands of workers. That calls for mobile industrial computers that bring the power of the company's business applications within reach of the workforce, while making it easy for them to complete their tasks.

The 8300 series Light Industrial Mobile Computers efficiently combine all the requirements a mobile workforce needs and IT managers demand. Application programmability, manageability, and communications options that easily and securely connect to back-end systems from nearly anywhere extend your automated business tools to workers. Ruggedness, scanning flexibility and accuracy, and ease of use enable users to accelerate productivity with a lightweight tool that works as hard as they do. Add CipherLab's Power Suite software development kit and you have a comprehensive solution to many of today's unique supply chain challenges.

- ▶ **Customize applications for unique needs**
- ▶ **Update and access data from "within the walls" and "beyond the fence"**
- ▶ **Match the scanner to your specific requirements, including RFID**
- ▶ **Easy to carry and use all day long**

Smart solutions with immediate payoffs

Reduce Asset Management Burden

Coca-Cola Amatil of Australia cuts asset recording labor by more than 75%



Coca-Cola Amatil deployed 8300 series mobile computers in their Sydney warehouse to track over 13,000 vending machines and merchandising equipment. They leveraged CipherLab FORGE Application Generators to customize software for the 8300s, reducing the work from 40 person-days to 70 person-hours and saving thousands of dollars in labor expense.

Improve Retail Efficiencies

NISYST and CipherLab team up in UK to create a highly efficient retail management system



Retailers benefit from 8370s running Nirvana Intelligent System's NPoS Point of Sale Solution. The integrated hardware/software solution enhances efficiency and accuracy of sales, ordering, stocking, and picking. Customer M1 Foods improved warehouse management, price verification, and price-change management. Wireless printing of shelf labels using the 8370's Wi-Fi made the work easier and more efficient.

Accelerate Warehouse Activities

Taiwan grocery goods wholesaler and manufacturer RunStar streamlines warehouse processes, reducing workload from three employees to one



RunStar chose the 8300 for its ruggedness and ergonomic design, and to make work easier. They got more than they bargained for when they deployed the 8300s to scan barcodes, check and verify orders, pick goods, and manage quantities in the warehouse. The new CipherLab mobile computers reduced the required labor by 66%.

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A Smart Investment for Supply Chain Solutions

APPLICATION-READY FOR DIVERSE ENTERPRISE NEEDS

Coordinating critical procurement, assembly, and delivery functions requires a suite of mobile business and database applications and interfaces. The 8300's powerful CPU and up to 10 MB of SRAM plus 2 MB of flash memory enable you to deploy complex applications in a small, lightweight package, making it a powerful tool that's easy to use all day. Multiple scanning options—linear imager, choice of lasers, and RFID—plus unparalleled reading accuracy offer diversity for use in the warehouse, retail, mobile sales, and logistics.

FLEXIBLE COMMUNICATIONS OPTIONS

Offering batch, WLAN, and Bluetooth capabilities, the 8300 series is designed for use "within the walls" and "beyond the fence" for non-connected and continually or occasionally connected environments. The 8300 series works the way you do, connecting you to data when and where you need it—on the warehouse or retail floor or at your customer's site.

RUGGED TO THE CORE

The 8300 is engineered to last—delivering incredibly low TCO (total cost of ownership). Built to IP65 specifications for operation from 10° to 60°C in up to 95% humidity, the 8300 series keeps working under the harshest conditions. It's tough enough to withstand repeated 1.2-meter drops onto concrete and still deliver accurate performance day after day.

WORKS ALL DAY. WORKS ALL NIGHT

The 8300 won't stop before your employees do. Its high-performance battery will last through multiple shifts between recharges, whether operating in batch or wireless mode. A built-in, rechargeable, back-up battery guarantees data security for 36 days, even when it's time to recharge.



ACCELERATE DEVELOPMENT WITH The Power Suite SDK

CipherLab's Power Suite software development kit reduces development timetables and efforts with a comprehensive toolset for building and launching secure applications, whether they're constantly or occasionally connected, or run in batch.

Forge
APPLICATION GENERATORS

Stream
WIRELESS STUDIO

Mirror
TERMINAL EMULATORS

Blaze
C AND BASIC COMPILERS

Develop and simulate embedded applications on a PC using a graphical interface; supplied at no charge

Develop wireless applications; easily manage multiple CipherLab devices

Emulate standard terminals for host-based applications and systems

Build and compile customized application code for specialized systems

WITH A FULL RANGE OF RUGGED,
PERFORMANCE-TESTED MOBILE
COMPUTERS, CIPHERLAB
SOLUTIONS ARE FOUND AT WORK
WORLDWIDE IN RETAIL, LOGISTICS
AND TRANSPORTATION,
WAREHOUSING, MANUFACTURING,
SERVICE INDUSTRIES, AND
HEALTHCARE.

SPECIFICATIONS

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		8300	8320	8330	8360	8370
Communication	Options	Batch	Acoustic Modem	Bluetooth® Class 2 Wi-Fi 802.11b/g	Bluetooth Class 1	Wi-Fi 802.11b/g
	Coverage ¹ (line of sight)	30 cm/12 in	–	BT 10 m/32.8 ft Wi-Fi 350 m/1148 ft	250 m/820 ft	350 m/1148 ft
	Serial	IR / IrDA (115.2 Kbps)				
	RFID 13.56 MHz	Optional	–	–	–	Optional
	Supported RFID standards	Mifare ISO 14443A, ISO 14443B, ISO 15693, ICODE				
Performance	CPU / Memory	16-bit CMOS 2MB Flash ROM 2MB, 6MB, 10MB SRAM				
	Operating power	Removable, rechargeable 3.7 V 1800 mAh Li-ion battery				
	Working hours ²	270 hours	270 hours	40 hours ³	40 hours	40 hours ³
	Backup power	3.0 V 7.0 mAh Lithium battery Data retention 36 days				
	Alerts	Programmable 1KHz to 4KHz buzzer, vibrator				
Data Capture	Barcode scanning	Linear imager / Laser / Long range laser				
	Reading range	Linear imager 5~29.5 cm / 0.16~1 ft Laser 1~45 cm/0.03~1.47 ft Long range laser 5~218 cm/0.16~7.15 ft (depends on barcode resolution)				
	Light source	Linear imager: 650 nm 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				
Physical Characteristics	Display	LCD 128 x 64 pixels, white LED backlight				
	Keypad	24 numeric or 39 alphanumeric rubber keys, LED backlit				
	LED	Dual color: green, red				
	Size and weight	170 x 77 x 47 mm / 6.7 x 3 x 1.9 in (L x W x H) 290 g / 10.2 oz configuration dependent				
User Environment	Operating	Operating temperature -10° to 60°C / 14° to 140°F				
	Storage	Storage temperature -20° to 70°C / -4° to 158°F				
	Humidity	Operating: Non-condensed 10% - 90% Storage: Non-condensed 5% - 95%				
	Impact resistance	Multiple 1.2 m (4 ft) drops onto concrete, 5 drops on each side / IP65				
	Electrostatic discharge	± 15kV air discharge; ± 8 kV direct discharge				
	EMC regulation	8300: FCC, CE, IC, C-Tick, BSMI, MIC 8330 and 8360: FCC, CE, C-Tick, IC, DGT/NCC, BSMI, MIC, TELEC 8370: FCC, CE, IC, DGT/NCC, BSMI, SRMC, MIC, TELEC				
Programming		C, BASIC, Windows®-based FORGE Application Generator				
Accessories		Charging and communication cradle (RS-232, keyboard wedge, USB cables) 56K modem cradle, 10/100T Ethernet cradle, 4-slot battery charger				
8320 Acoustic coupler		Data rate/format: 1200, O/E/N, 7/8, 1/2 stop bits Support for DTMF tone dialing Modulation type: Bell202 FSK(1.2 kHz±5%, 2.2 kHz±5%), V.23 FSK(1.3 kHz±5%, 2.1 kHz±5%)				
Warranty		1 year				

¹Effective coverage depends on user environment and equipment deployment. It is highly recommended to conduct a site survey before actual deployment.

² Based on one standard laser scan per five seconds with backlight on. ³ Depending on traffic loading on network



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ACCESSORIES



Charging & Communication Cradle



Modem Cradle Ethernet Cradle



4-slot Battery Charger



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