CIPHERLAB
Smarter

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.

LINEAR IMAGER LASER | LONG RANGE LASER | RFID | NUMERIC KEYPAD | ALPHANUMERIC KEYPAD | 1.2M MULTIPLE DROPS | IP65 | WLAN

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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 of 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 wireless LAN 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%.

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 10MB of SRAM plus 2MB 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 BT 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°C 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 Generator	Develop and simulate embedded applications on a PC using a graphical interface; supplied at no charge
Stream Wireless Studio	Develop wireless applications; easily manage multiple CipherLab devices
Mirror Terminal Emulator	Emulate standard terminals for host-based applications and systems
Blaze C and Basic Compilers	Build and compile customized application code for specialized systems

WITH A FULL RANGE OF RUGGED, PERFORMANCE TESTED MOBILE COMPUTERS, CIPHERLAB SOLUTIONS LIKE THE 8300 SERIES ARE FOUND AT WORK WORLDWIDE IN RETAIL, LOGISTICS ANDTRANSPORTATION, WAREHOUSING, MANUFACTURING, SERVICE INDUSTRIES, AND HEALTHCARE

8300 Series

Light Industrial Mobile Computer

		8300	8330	8370
Communication	Options	Batch	*Bluetooth*® Class 2 compliance IEEE 802.11b/g	IEEE 802.11b/g
	Serial	IR / IrDA (115.2 Kbps) / RS232		
Performance	CPU	16-bit		
	Memory	2 MB flash, 2 MB / 6 MB / 10 MB SRAM		
	Operating power	Rechargeable Li-ion battery: 3.7V 1800 mAh		
	Backup power	Lithium battery: 3.0V, 7.0 mAh		
	Working hours[1]	270 hours	40 hours[2]	
	Data retention	36 days		
	Alert	Dual-color LED, vibrator, volume programmable beeper		
Data Capture	Barcode scanning	Linear imager / Laser / Long-range laser		
	RFID	13.56 MHz, optional	--	13.56 MHz, optional
	Supported RFID standards	Mifare ISO 14443A, ISO 14443B, ISO 15693, ICODE		
Physical Characteristics	Display	LCD 128 × 64, white LED backlight		
	Keypad	24 numeric or 39 alphanumeric rubber keys, LED backlight		
	Dimensions (L x W x H)	170 x 77 x 47 mm / 6.7 x 3 x 1.9 in.		
	Weight (laser including battery)	290 g / 10.2 oz.		
User Environment	Operating temperature	-10°C ~ 60°C / 14°F ~ 140°F		
	Storage temperature	-20°C ~ 70°C / -4°F ~158°F		
	Humidity (non-condensed)	Operating: 10% ~ 90% / Storage: 5% ~ 95%		
	Impact resistance	Multiple 1.2 m/4 ft. drops onto concrete, 5 drops on each side / IP65		
	Electrostatic discharge	± 15kV air discharge, ± 8kV direct discharge		
	EMC regulation	8300: BSMI, CE, C-Tick, FCC, IC, KCC 8320: FCC, IC 8330: BSMI, CE, C-Tick, DGT/NCC, IC, KCC, TELEC 8370: BSMI, CE, FCC, IC, KCC, NCC, SRMC, TELEC		
Development software		BLAZE C Compiler and BASIC Compiler		
Application software		FORGE Application Generator, including data transmission OCX, STREAM Wireless Studio, MIRROR Terminal Emulator		
Cradles		Charging and communication cradle, modem cradle, Ethernet cradle		
Accessories		4-slot battery charger, AC/DC power adapter, keyboard wedge cable, RS232 cable, USB cable		
Warranty		1 year		

1. Based on one standard laser scan per five seconds with backlight off.
2. Depending on network traffic load.

Bluetooth®

ACCESSORIES

Charging and Communication Cradle

Modem/ Ethernet Cradle

4-Slot Battery Charger

CIPHERLAB Smarter

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