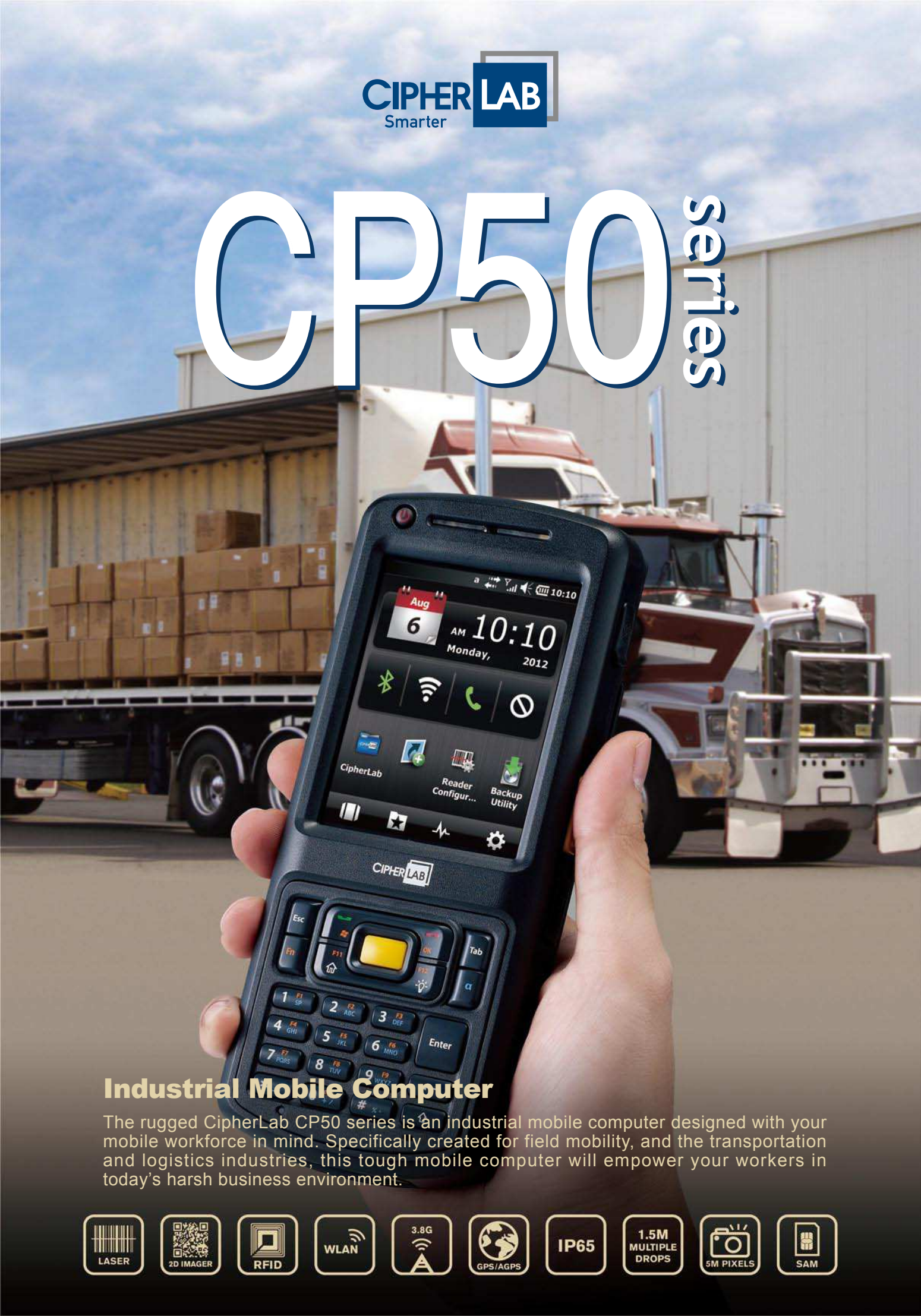
CIPHERLAB
Smarter

CP50 series



Industrial Mobile Computer

The rugged CipherLab CP50 series is an industrial mobile computer designed with your mobile workforce in mind. Specifically created for field mobility, and the transportation and logistics industries, this tough mobile computer will empower your workers in today's harsh business environment.

LASER | 2D IMAGER | RFID | WLAN | 3.8G | GPS/AGPS | IP65 | 1.5M MULTIPLE DROPS | 5M PIXELS | SAM

CP50 series

Industrial Mobile Computer

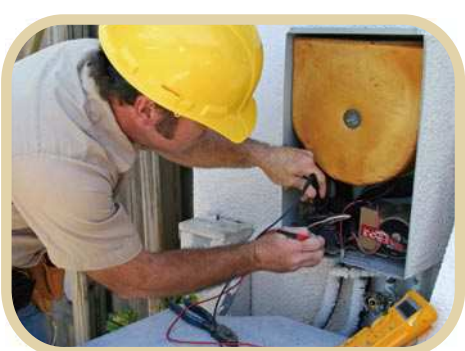
Versatile and Rugged

The Perfect Companion in the Field

Designed especially for applications in field mobility, transportation and logistics, and warehousing, the CP50 series survives multiple 1.5 m (5 ft.) drops onto concrete and is rated with IP65 standards, ensuring that neither droplets, dust, or water keep this device from performing its best. Its on-board 2 GB memory allows workers to continue their jobs even outside of wireless network coverage, yet offers reliable data transmission once within range via multiple wireless communication options. With incorporated GPS, the CP50 series gives you the ability to handle direct store delivery (DSD), asset management, and vehicle tracking with ease. Moreover, the choices of a 5-megapixel camera and RFID give you flexible and versatile data capture at your fingertips. Along with CipherLab's free software tools, more applications can be handled with faster and easier customization than ever before.

High Capacity Memory for Expanded Application and Data Storage

Featuring a large 2 GB memory capacity, your mobile workforce can store data regardless of whether any wireless connection is available, letting them get more work done in the field and upload saved data once in wireless coverage. As every business is unique, the memory capacity of the CP50 series allows more software to be installed, giving greater flexibility in customization for your specific business needs.



Reliable Wireless Communications for Efficient Operation and the Most Updated Information

The CP50 enables better management of your mobile workforce. Its flexible wireless communication options keep your field workers connected at all times. 3.8G HSPA+ with GPS/AGPS option allows location-based applications with real time navigation, such as direct store delivery (DSD), asset management and vehicle tracking. *Bluetooth*®, 802.11 b/g, and 3.8G HSPA+ connectivity let workers communicate with peripherals, to save time and simplify operation while on the job. It provides seamless data transfer as well, keeping systems updated in real-time for the most informed management decisions.

Versatile Data Capture and Entry Brings Ultimate Flexibility

Laser and 2D options ensure accurate data capture, enabling workers to complete assigned tasks more quickly and efficiently. With optional RFID, the CipherLab CP50 is ready to assist your business in keeping up with the dynamic demands in transportation, logistics, and warehousing applications. The device comes with numeric and QWERTY keypad options for data input and editing when situations call for it. Optional pistol grip allows workers to scan over longer periods of time with comfort and thus increases labor output.

Easy-to-Read Display and 5-megapixel Camera Facilitate Business Operation

With a 3.5" QVGA transflective LCD display, workers can easily get access to data regardless of what lighting conditions they view it under. With a built-in 5-megapixel camera, workers can capture proofs of service items and product issues, which lead to faster resolution of disputes down the road. Both features combine for simple proof-of and back-referencing for employees out in the field.

Extend Your Applications

Software Tools Tailored to Your Business

The CipherLab CP50 takes into consideration that no two businesses are alike, and thus incorporates software that can be used as-is, or customized to suit your business' specific needs and requirements. Your own in-house programmers have the freedom to customize CP50 software to suit your needs, or you can work with CipherLab to come up with the software solutions that are right for your situation. No matter which route you take, the CipherLab CP50 series will perform both inside and out.

Free Pre-Loaded CipherLab Software for Immediate Uptime

The CipherLab CP50 series incorporates simple and effective navigation with the pre-loaded CipherLab SmartShell, enabling custom interface settings; such as widget configuration, shortcut creation, or layout editing. The options menu can be viewed in 3D carousel or tiles view and supports kinetic scrolling for easy navigation. With signature capture software, customers can validate delivery items by signing directly on the device and giving field workers an imaged proof of delivery.

Software for Advanced Applications

KALIPSO Mobile Application Generator for Easy and Quick Customization

A third party application generator software tool designed for Windows®- based mobile computers, KALIPSO Mobile Application Generator helps users customize application needs effortlessly. With free demo programs such as inventory check, order entry, and proof-of-delivery, users can start using the applications right away.

SOTI MobiControl for Improved Device Management in the Field

Improve mobile workforce performance and efficiency with a complete software solution. SOTI MobiControl for CipherLab CP50 enables access to a robust set of features that support remote device management without requiring your mobile computers to be brought back to the office.

App-Lock for Optimized Management over Work Productivity and Performance

App-Lock is designed to improve work productivity and performance management with full control over all executable files saved in the CP50. Limited access can be set to essential device settings with pre-approved applications to keep workers focused on the tasks at hand. Setup files can also be copied and deployed to other devices in the field remotely to increase the efficiency of device management.

MIRROR Browser for Extended Data Capture Support

The MIRROR Browser empowers the CP50 to be integrated seamlessly into web-based environments, turning it into an accurate, effective and user-friendly data capture tool for any web-based task.

CP50

Industrial Mobile Computer

Performance	Operating system	Windows® Embedded Handheld 6.5
	CPU	Samsung S3C6410 at 800MHz
	Memory	2 GB Flash / 256 MB DRAM
	Expansion	micro SD slot with SDHC support
	Operating power	Rechargeable 3.7 V 3300 mAh Li-Ion battery
	Working hours[1]	10 hours
	Alert	Dual-color LEDs (red / green, blue / green), vibrator, speaker
	Interface supported	USB 2.0 client
Wireless communication	WWAN	GSM / GPRS / EDGE / WCDMA / HSDPA / HSUPA / HSPA+ (3.8G) GSM band: 850 / 900 / 1800 / 1900 UMTS band:850 / 1700 / 1900 / 2100
	WLAN	IEEE 802.11 b/g
	WLAN security	WEP, EAP, WPA (PSK), WPA2 (TKIP, AES, PSK), WAPI
	WPAN	*Bluetooth*® Class II, V2.1 + EDR
	Bluetooth® profile	GAP / SDP / GOEP / SPP / OPP / DUN / A2DP / PAN / HID / HSP / HFP / AOB / AVRCP
	GPS	GPS / AGPS
Data capture	Barcode scanning	Laser / 2D imager
	RFID read / write	13.56 MHz frequency Support Tags: ISO14443A (Mifare), ISO14443B, ISO15693
	Camera	5 megapixels CMOS with LED flash and autofocus
Physical characteristics	Display	3.5" 240(H) X 320 (V) pixels QVGA Transflective TFT Color LCD with LED Backlight, 65K color
	Keypad	Numeric or Qwerty type with LED backlight
	Size (LxWxH)	182 x 77.5 x 37 mm / 7.2 x 3.1 x 1.5 in.
	Weight (laser including battery)	385 g / 13.6 oz.
User environment	Operating temperature	-10°C to 55°C / 14°F to 131°F
	Storage temperature	-40°C to 70°C (w/o battery) / -40°F to 158°F
	Humidity (non-condensed)	Storage 5% to 95% / Operating 10% to 90%
	Impact resistance	Multiple 1.5 m / 5 ft. drop onto concrete, 5 drops on each side / 1000 tumbles at 50 cm / IP65
	Electrostatic discharge	± 15kV air discharge / ± 8kV contact discharge
	EMC regulation	BSMI, CCC, CE, NCC, SRRC, MII
Development support		Cipherlab C++/.NET, SDK to support Microsoft® Visual studio 2005, Microsoft® Visual Studio 2008
Application software		Backup Utility, Button Assignment, GPS Viewer, Reader Configuration, MIRROR Browser, Signature Capture, App-Lock, SOTI MobiControl, Kalipso Mobile Application Generator, Naurtech CETerm, Wavelink Emulators and Avalanche
Cradles		Charging and communication cradle
Accessories		Pistol grip, USB / RS232 charging and communication cable, vehicle mount, vehicle charger, protective cover, hand strap, belt holster with shoulder strap
Warranty		1 year

1. Minimum 10 hours under WLAN and laser scanning per 20 seconds, LCD 50% backlight and speaker on (volume is default) at 25°C, RFID off / *Bluetooth*® off / IEEE 802.11b/g on. The test is based on one broadcasting packet per second.

ACCESSORIES

Charging and communication cradle

Pistol grip

Protective cover

Belt holster with shoulder strap

Vehicle mount

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