CA50
VoIP-enabled wireless bar code scanner

Compact, cost-effective converged voice and data device for in-building task-workers delivers big business benefits
The CA50 enables enterprises to extend the benefits of integrated mobile voice and data to task and service-oriented workers inside your four walls — quickly, easily and cost-effectively. Small and light enough to wear on a lanyard or apron, or slip in a pocket, this cost-effective and useful device is the one device all your mobile associates should carry. The CA50 combines ease-of-use with the capabilities that retail associates, healthcare and hospitality workers and more need to increase productivity and availability, reduce errors and improve customer service and satisfaction — from mobile phone-style voice communications to wireless bar code scanning and data application support for information retrieval. The familiar and intuitive mobilephone-style user experience virtually eliminates the need for training — and built-in enterprise durability ensures that the device can withstand all day every day use on the retail floor, in hospitals, hotels and more.

Voice capabilities for right-now accessibility
The CA50’s voice capabilities greatly improve the accessibility of your workforce — mobile workers are never more than a phone call away. The CA50 delivers real voice value. One-to-one (voice calls) and one-to-many (walkie-talkie style) calls over the wireless LAN provide cost-efficient voice communications. In addition, interoperability with select telephony systems enables the extension of desk phone numbers and functionality to the CA50. Workers can place direct calls to collaborate as needed or obtain information for ‘on-the-spot’ decisions. Since inbound customer calls can now be forwarded directly to the right employee in the right department, hold time is significantly reduced — decreasing call abandonment and improving customer service and satisfaction. Walkie-talkie style communications enable managers or mobile workers to broadcast information to any defined group of personnel — for example, a manager might broadcast information to all associates assigned to menswear, or a physician might broadcast to all nurses assigned to a specific floor in search of the closest nurse to assist with an urgent care situation. Customers are no longer subjected to annoying overhead pages and the inefficiencies associated with paging can be eliminated — customers and workers can quickly find the right person to respond.

Data capabilities for improved service and efficiency
The CA50 opens a world of application possibilities that can help streamline and error proof processes. For example, in the retail store, associates can scan
Wireless bar code scanning
Enables productivity-enhancing applications and a significant reduction in errors.

Wireless messaging-capable
Enables more rapid response to requests for assistance; enables better management of employees through wireless distribution of tasks and real-time acknowledgement of completion.

Intuitive and easy to use
Virtually eliminates the need for training — and the associated costs.

Small and lightweight
Pocketable and easy to carry or wear.

Mobility Services Platform (MSP) compatible
Centralized management significantly reduces the complexity and costs typically associated with mobile devices.

Web-based server side applications
Standard tools reduce the time and costs associated with application development.

Integration with telephony systems, WLAN and other business equipment
Leverages investment in existing technology while enabling value-add capabilities.

Extend the value of your existing technology investments
Integration with your telephone system and kiosks not only enables you to leverage and improve the return on investment (ROI) for existing equipment, but also offers real value-add capabilities. For example, receptionists no longer need to page employees to take a customer call. Instead, the call can be automatically routed to the right employee or group of employees for prompt service, improving the customer experience. In addition, through the use of telephony auto attendant features, switchboard staff can be redeployed to assist on the sales floor if needed, providing a built-in backup for busy times. And when a customer at self-help or self-checkout kiosk encounters difficulties, the simple press of a ‘need assistance’ button can trigger a page to the appropriate staff announcing where help is needed, enabling the closest employee to respond — and ensuring rapid service for your customers.

Flexible deployment options to best fit your business requirements
The CA50 can be deployed either as a personal or shared device. In environments where workers change shifts and days, enterprises can enable employees to select any available CA50 — and a simple log in will configure the device on the fly with the right profile for that associate.

Easy to scale and manage
When you invest in the CA50, you invest in technology that easily and cost-effectively scales as your business grows. Compatible with Motorola’s Mobility Services Platform (MSP), the CA50 can take advantage of MSP’s superior manageability — the same tools you use to centrally and wirelessly manage your Motorola WLAN infrastructure and mobile computers will also allow you to easily provision, track and support all your CA50 devices.

Superior return on investment
A unique combination of strategic and financial business benefits enables the cost-effective CA50 to deliver extraordinary business value. Improvements in productivity and customer service combine with rapid deployment, durability and ease of management to deliver a superior return on investment. To help you seamlessly integrate the CA50 into your environment, Motorola offers a full suite of services that span the entire solution lifecycle — from initial assessment, commissioning and rollout through ongoing training and support. Motorola Advanced Services help minimize potential integration issues and reduce implementation time, while Motorola Customer Services help ensure your device continues to operate at peak performance.

For more information about the Motorola CA50, please visit us on the web at www.symbol.com/CA50, or access our global contact directory at www.symbol.com/contact.
CA50 Specifications

**Physical Characteristics**

Dimensions: 4.37 in. x 1.81 in. x 1.01 in.
11.10cm x 4.60cm x 2.57cm

Weight: 3.7 oz/105g

Display: 5-line monochrome display with LED back light

Notification: Vibrator, LED flash, beep or WAV file

Audio: Speaker, receiver, microphone and headset jack (2.5mm plug)

Battery: 920 mAh Li-ion

**Performance Characteristics**

CPU: Intel® XScale™ 312 MHz processor

Operating System: Microsoft Windows CE 5.0

Memory: 64MB RAM/32MB Flash

Communication: USB 1.1 client

Application Dev.: Web-based server side applications

**User Environment**

Operating Temp.: +14° F to 104° F/-10° C to + 40° C

Storage Temp.: -40° F to 158° F/-40° C to +70° C

Charging Temp.: 32° F to 95° F/0° C to + 35° C

Humidity: 5%-90%, non-condensing

Drop Specification: 4 ft./1.21m drop to concrete, 6 drops per 6 sides, at ambient temperature 73 °F/23 degrees C

Tumble Specification: 250 cycles @ 1.64/0.5m (500 drops)

Environmental Sealing: IP40

Electrostatic Discharge (ESD): +/- 8 kV air discharge and +/- 4 kV direct discharge

**Wireless LAN Data and Voice Communications**

WLAN: IEEE® 802.11a/b/g (Note 802.11a not available where prohibited or restricted)

Frequency Range: All country dependent:
802.11a – 5GHz
802.11b – 2.4GHz
802.11g – 2.4GHz

Output Power: 100mW U.S. and international

Data Rates: 802.11a: up to 54 Mbps
802.11b: up to 11 Mbps
802.11g: up to 54Kbps

Antenna: Internal

Voice Services: Voice calls (1:1)
Walkie-talkie style (1:Many)

VoIP Protocols: H.323
SIP (future release)
SCCP (future release)

**Scanner**

Engine: SE950 1D scan engine


**Peripherals and Accessories**

Terminal Charging: 8-slot terminal charger
Single-slot terminal charger with spare battery charge slot

Spare Battery Charging:
8-slot battery charger

Attachments: Lanyard snap on

**Regulatory**

Electrical Safety: UL 60950-1, C22.2 No. 60950-1, EN 60950-1, IEC 60950-1

Laser Safety: EN 60825-1, IEC 60825-1, 21CFR1040.10

EMC: EN 301 489-1, EN 301 489-17, IEC 60601-1-2, EN 55022, FCC Part 15 Class B, ICES 003 Class B, EN 55024, EN 61000-3-2, EN 61000-3-3

Radio: EN 301 328, EN 301 893

RF Exposure: EN 50630, EN 50361, FCC Part 2, OET Bulletin 85, RSS102

Environmental: RoHS Directive 2002/95/EEC

**Warranty**

The CA50 is warranted against defects in workmanship and materials for a period of one year (12 months) from date of shipment, provided the product remains unmodified and is operated under normal and proper conditions.
SPECIFICATION SHEET

CA50
Voice and data device
About LOGISCENTER

Grupo Logiscenter is the leading provider in Europe of automatic identification and data capture equipments. Our products include barcode printing and reading devices, mobile computing devices, wireless access points, identification cards, and consumables.

Reasons to work with us

Our customers come first. Our objective is not only selling our products but also holding a long-lasting relationship with our customers, based on the benedits and advantages we create for you and your company.

The best brands. We offer products from the best manufacturers worldwide.

Expert technical support team. Our support staff are experts in the products we sell. But not just the products, they can tell you the best solution for your particular problem or need.

Largest stock. We have a permanent stock of more than 12,000 products.

Same-day shipping. For all orders placed and confirmed before 16:00 on working days.

Best prices. With Logiscenter, you can be sure that you are paying a fair price for your products we will not overcharge you.

Easy returns. Damaged or defective products can be returned easily, for an exchange or reimbursement.

Solutions for: Industry • Consumer • Mobility
Transportation and Logistics • Retail • Health

Label printers
Barcode readers
Data terminals & PDA
PVC card printers
RFID
Consumables (labels, ribbons, PVC cards)

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