

SoMo® 650DX Handheld Computer

Radio-Free Configuration

Durable Handheld Computer without Radios for Secure Business Applications

Every day more businesses are finding substantial benefits to automating their mobile business processes and data collection activities. Until now, the complexity of configuring and deploying a mobile business system held many back from taking advantage of these benefits. With the SoMo 650DX handheld computer and a broad range of pre-tested and configured peripherals from Socket Mobile, many of the risks and complexities of mobile deployment have been eliminated. With over 18 years of providing mobile peripheral devices to business, working with the world leaders in mobile computing, Socket has the knowledge and experience to make your mobile deployment a success.



The SoMo 650DX is specifically designed to transmit data by direct exchange to meet the security needs of Business Mobility applications in government, hospitals, refrigerated warehouses, and other locations where security constraints are a concern. It is ideal for batch processing applications such as asset tracking and inventory management as well as field service automation and security identification. Featuring a contoured grip surface, the SoMo 650DX is an ergonomically designed, lightweight, easy to use Windows Mobile powered computer. The SoMo 650DX provides reinforced CompactFlash and Secure Digital I/O slots to take full advantage of card based peripherals and protect the computer from the day-to-day impacts of a business mobility deployment.

The SoMoDX 650 is part of a complete mobile business system including a variety of peripheral devices for barcode scanning, RFID and a number of application specific connection options. Socket completes the picture by offering a full line of accessories to assure that the SoMo 650 fits perfectly into your application environment. Socket has created pre-configured bundles of system elements targeted to specific application environments. These configurations are fully integrated and tested to assure worry free deployment. With pre-configured Socket systems, you will achieve a faster return on your investment and experience smoother deployments.

PERFORMANCE FEATURES

- Windows Mobile 6 Classic for the highest level of mobile application compatibility
- Intel PXA270 processor running at 624 MHz for fast application responsiveness
- Large standard memory configuration with 128 MB SDRAM, 1 GB or 256 MB NAND Flash to support robust business applications
- High capacity Li ion battery for long run times
- Full USB connectivity from device and docking station with support for USB host
- SoMo File Store provides non-volatile storage for device ROM image and applications/configurations that can survive a hard reset
- Reinforced CompactFlash and SDIO slots for long product life and protection of peripheral devices

USABILITY FEATURES

- Bright, clear, easy to read display
- High quality audio input and output speaker for use in business environments
- LED indicators for charging status
- Hard capped buttons for ease of use, long life
- Light weight, ergonomically designed for easy handling
- Complete line of accessories to fit many application requirements
- Side mounted software programmable action buttons for better user control
- Separate charge connection for easy out-of-dock charging
- Control hold switch prevents accidental button input, extending battery life
- Stereo headset connection for privacy or high noise environments
- Recessed power switch to extend battery life and prevents accidental power-on/off
- Full size stylus for ease of use and integrated stylus storage for better retention, convenience

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The SoMo 650DX has a large, bright touch screen.



SoMo 650DX combined with the Socket CF Scan Card laser barcode scanner (available separately)



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Long Available Life

Technology advances are arriving faster than ever before. As soon as a system is implemented, it seems the replacement has already arrived. For business this can be a key challenge as product availability lives become shorter. Socket recognizes the need for a long availability life for mobile business computing products and is dedicated to providing an available life far longer than is common with consumer products companies. When it is time to upgrade, Socket will provide realistic thoughtful migration options to assure a smooth transition.

Flexibility over Time

The Socket approach to pre-integrating a wide range of add-on enhancements offers the public sector the flexibility of multiple options in 2D and 1D barcode scanning as well as RFID, smart card, and magnetic stripe reading. Plug-in modems and Ethernet cards are also available to securely transmit batch data, as well as wireless options such as *Bluetooth*, Wi-Fi, and WWAN. This modular approach provides the broadest set of options available. As your business needs change, the SoMo 650DX can easily change with you. Upgrading to meet a new business requirement can be as easy as removing an existing peripheral device and inserting a new one.

SocketCare™ Enhanced Service Program

Experience maximum performance while lowering Total Cost of Ownership (TCO) with SocketCare support for your SoMo 650DX handheld computer. Reduce risks by protecting your investments with SocketCare coverage, which includes expert support from Socket specialists, accelerated repair and replacement to minimize downtime, and fast and reliable product service at competitive costs. For more information, please visit: www.socketmobile.com/support/socketcare

Product	Package Contents
SoMo 650DX-E	<ul style="list-style-type: none">- SoMo 650DX- USB Sync Cable- Wall Charger- Li-ion Battery- Full Size Stylus- Quick Start Guide- CD with Software & User's Guide
SoMo 650DX-M	<p>Same as above plus:</p> <ul style="list-style-type: none">- Desktop Docking Cradle- Carrying Case- 2.5 to 3.5 mm barrel converter- Audio headset with microphone

Languages Available
<ul style="list-style-type: none">- Worldwide English- Chinese- Dutch- Finnish- French- German- Italian- Japanese- Norwegian- Portuguese (Brazilian)- Portuguese (Iberian)- Spanish- Swedish



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Specification Sheet

PHYSICAL

Dimensions	5.00 x 2.94 x 0.81 inches (127 x 74.60 x 20.6 mm)	
Total Mass	6.25 oz (177 g) with battery and stylus	
Display	65K colors TFT LCD, 3.5", 16 bit-per-pixel, 240 (w) x 320 (L) resolution	
Touch Panel	Glass analog resistive touch	
Backlight	White LED backlight	
Battery Type	3.7V Lithium Ion rechargeable, available with Standard (1200 mAh) or Extended (2600 mAh)	
Backup Battery	Super Capacitor to support Realtime Clock	
Expansion Slots	CompactFlash (CF) and Secure Digital I/O (SDIO) slots: reinforced to prevent damage when dropped	
LED Indicators	Red/Green LED for alarm, battery charging	
Buttons	4 front panel programmable soft buttons 2 side programmable action buttons Control hold switch	5 navigation buttons Device reset button Power on/off button
Input Devices	Stylus (Note: touch sensitive display for stylus or fingertip)	
Connectors	Barrel connector power jack USB 1.1 Host & USB 2.0 Client	26 pin docking connector for ActiveSync 2.5mm headset jack with support for voice and stereo music
Audio	Built-in Microphone and Speaker, voice recording capability with Notes application	

PRE-LOADED SOFTWARE

Microsoft Software	Office Mobile: Word Mobile, Excel Mobile, PowerPoint Mobile, OneNote Mobile Web/Communications: Office Outlook Mobile, Internet Explorer Mobile, MSN Messenger Client Synchronization: ActiveSync Client Media: Windows Media Player Mobile Programmable Home Screen .NET Compact Framework v2.0 Calculator, Notes, Tasks
Socket Software	Data Capture: SocketScan™ keyboard wedge for Socket barcode / RFID / magnetic stripe readers and UIC683 contactless smart card reader Wireless Broadband: SoMo 650 Back Pack Utilities Power Management: Power Plus Battery Friendly® Utility, Hold Switch Utility, CPU Performance Utility Cabled Communications: Modem Utilities, Ethernet Utilities
SocketSerial Software	Serial I/O drivers, USB-to-Serial adapter drivers, USB Ethernet Gigabit adapter drivers
Sprite Mobile Software	Sprite Backup (Trial version)

PERFORMANCE

Processor	Intel PXA270 @ 624 MHz
Operating System	Windows Mobile 6 Classic
Languages Available	Worldwide English, Chinese, Dutch, Finnish, French, German, Italian, Japanese, Norwegian, Portuguese (Brazilian), Portuguese (Iberian), Spanish, Swedish (Languages available via ROM upgrade, free to registered users)
Memory	128 MB SDRAM, 1 GB or 256 MB NAND FLASH
SoMo File Store	Non-volatile memory for device applications/configurations can survive hard reset of device Features Auto-Run support, ideal for provisioning deployments

ENVIRONMENTAL

Operating Temperature	0° to 50° C (32° to 120° F)
Storage Temperature	-25° to 75° C (-13° to 167° F)
Humidity	95% non-condensing
Drop Specification	Multiple 1 m (3.3 ft) drops to concrete covered with vinyl (1.3 m (4.3 ft) with optional DuraCase protective case)
ESD Specification	+/- 8kV air discharge, +/- 8kV direct discharge

LEGAL

Warranty	Handheld computer: One year standard warranty Accessories (battery, cable, case, charger, etc.): 90 days SocketCare™ enhanced service program available separately
Certification/ Compliance	FCC: Part 15, Class B RoHS and WEEE compliant Electrical Safety EN60950, UL, CSA NOM ANATEL Microsoft Windows Mobile 5.0, 6.1 Logo Test Certified Industry Canada EMI / RFI USB IF Test COFETEL TELEC

OPTIONAL ACCESSORIES

Data Capture	Barcode / RFID / magnetic stripe / smart card readers (SD / CF card)
Wireless Broadband	SoMo 650 Back Pack wireless broadband ExpressCard adapter (Novatel wireless modem not included)
Wireless LAN	Go Wi-Fi! SDIO 802.11a/b/g WLAN card
Charging/ Synchronization	Batteries: Mobile Power Pack (not available in Europe) Cradles: Cradle kit, Multi-bay charger (charges 4 devices and 4 batteries) Cables: Car charger, Master USB with DC jack, USB sync cable, USB Y cable
Protection	DuraCase protective case, Screen Protector Kit, FlexGuard silicone cover, Belt carrying case, Waterproof covers
Portability	Hand/Wrist Strap, Belt Clip, Lanyard
Input	Tethered Stylus, Keyboards
For a full list of Socket peripherals and accessories, visit: http://www1.socketmobile.com/products/handheld-computers/accessories-hc.aspx Additional accessories from our STAR partners are available at: http://www1.socketmobile.com/products/star.aspx	

SKU NUMBERS, SINGLE UNIT

Product	SKU	Package Contents
SoMo 650DX-E	HC1445-1246	<ul style="list-style-type: none"> - SoMo 650DX handheld computer - Wall Charger: AC/DC adapter, Input 100~240V AC - USB Sync/Power Cable - Li-ion Battery - Full Size Stylus - Quick Start Guide - Getting Started CD with Software and User's Guide
SoMo 650DX-M	HC1446-1261	Same as above plus: <ul style="list-style-type: none"> - Desktop Docking Cradle: Simultaneous charge for docked unit and spare battery, includes USB 1.1 Host and USB 2.0 Client ports, powered from wall charger or USB Sync/Power Cable - Carrying Case - 2.5 to 3.5 mm audio headset adapter - Audio headset with microphone



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