

Socket[®] SoMo[™] 650 Handheld Computer



Making Mobile Business Productivity Accessible

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 650 handheld computer and Socket Mobile's unique offering of a broad range of pre-tested and configured peripherals, many of the risks and complexities of mobile deployment have been eliminated. With over 14 years of providing mobile peripheral devices to business, working with the world leaders in mobile computing, Socket Mobile has the knowledge and experience to make your mobile deployment a success.



The SoMo 650 is designed for Business Mobility applications including; sales force automation, inventory management, patient care, merchandising and asset management. Featuring a contoured grip surface, the SoMo 650 is an ergonomically designed, easy to use Windows Mobile 5.0 computer. The SoMo 650 provides reinforced CompactFlash and Secure Digital I/O slots to take full advantage of slot based peripherals and protect the computer from the day-day impacts of a business mobility deployment. The SoMo 650 includes a true business class implementation of *Bluetooth*[®] and *Wi-Fi*[®] wireless networking providing dependable connections, great coverage and enabling advanced features such as Voice over IP communications.

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

Performance Features

- Windows Mobile 5.0 for the highest level of mobile application compatibility
- 802.11g Wi-Fi technology for great coverage, fast roaming and excellent network security
- Latest Intel processor operating at 624 MHz for better application responsiveness
- *Bluetooth* version 2 + EDR class 2 for maximum support of 3rd party peripherals
- 128MB SD RAM, 256MB NAND Flash provide robust program and storage memory for running multiple applications
- High capacity Lithium ion battery for long run times
- Full USB connectivity from device and docking station with support for USB host
- Optional large capacity battery for the most demanding applications
- Reinforced CompactFlash and SDIO slots for long product life and better protection of peripheral devices

Usability Features

- A bright, clear, easy to read, LCD display for ease of viewing
- High output speaker for use in business environments
- Dual LED indicators for status of charging and wireless functions
- Hard capped buttons for ease of use and 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 to prevent accidental button input
- Stereo headset connection for privacy or high noise environments
- Recessed power switch to extend battery life and prevent accidental power-on/off
- Full size stylus for ease of use and integrated stylus storage for better retention and convenience



SoMo 650-M	
Included Accessories:	
- USB Sync Cable	
- Wall Charger	
- Desktop Docking Cradle	
- Full Size Stylus	
- Leather Carrying Case	
- CD with Software and User's Guide	
- Quick Start Guide	
SKUs:	
U.S.	HC0650-738
Europe	HC0652-769

SoMo 650-E	
Included Accessories;	
- USB Sync Cable	
- Wall Charger	
- Full Size Stylus	
- CD with software and User's Guide	
- Quick Start Guide	
SKUs:	
U.S.	HC0654-771
Europe	HC0657-774

Socket

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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 Mobile 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 Mobile will provide realistic thoughtful migration options to assure a smooth transition.

Flexibility over Time

The Socket Mobile approach to pre-integrating a wide range of peripheral devices offers you the flexibility of multiple options in laser and imager based barcode scanning, RFID, communications and interface (CF, SD, *Bluetooth*) options. A rich *Bluetooth* implementation in the SoMo 650 allows for connecting to Socket Mobile hand-held and hands-free scanning solutions along with hundreds of readily available 3rd party *Bluetooth* peripherals. This modular approach provides the broadest set of options available. As your business needs change, the SoMo 650 can easily change with you. Upgrading to meet a new business requirement can be as easy as removing an existing peripheral device and inserting the new device.

Best-in-Class Wireless

Socket Mobile is a leader in industrial mobile computing *Bluetooth* solutions. Our OEM modules are used by the leaders in the industrial mobile computing market. This experience has been applied to the SoMo 650 assuring the highest level of performance and simplest integration in the market today. The SoMo 650 features one of the most complete libraries of *Bluetooth* profiles in the market today. This is your assurance that the SoMo 650 will connect with the broadest possible set of 3rd party *Bluetooth* based peripherals. Socket has also implemented the latest in Wi-Fi technology to assure excellent coverage, fast roaming and excellent network security. Featuring a unique antenna design the SoMo 650 Wi-Fi implementation provides coverage far greater than comparable consumer products.



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Specifications Sheet

Physical Characteristics																			
Size	5.00 x 2.94 x 0.81 inches (127 x 74.60 x 20.6 mm)																		
Weight	6.3 oz (178.60 g) with standard 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																		
Main Battery	3.7v 1200 mAh Lithium Ion rechargeable																		
Extended Capacity Battery	3.7v 2600 mAh Lithium Ion rechargeable																		
Backup Battery	Super Capacitor to support Realtime Clock																		
Expansion Slots	CompactFlash and SD Slots: Reinforced to prevent damage from drop events																		
LED Indicators	Red/Green LED for alarm, battery charging Blue/Green LED for <i>Bluetooth</i> and Wireless LAN																		
Buttons	4 front panel programmable soft buttons 5 navigation buttons 2 side programmable action buttons Device reset button Control hold switch Power on/off button																		
Input Devices	Stylus (Note: touch sensitive display for stylus or fingertip)																		
Connectors	Barrel connector power jack 26 pin docking connector for ActiveSync USB 1.1 host & client 2.5mm headset jack with support for both voice and stereo music																		
Audio	Built in Microphone and Speaker																		
Pre-Loaded Software	<table border="0"> <tr> <td>Programmable Home Screen</td> <td>Windows Media Player 10.2 Mobile</td> </tr> <tr> <td>Calculator</td> <td>ActiveSync Client v4.x</td> </tr> <tr> <td>MSN Messenger Client</td> <td>Socket Mobile Wi-Fi Companion</td> </tr> <tr> <td>Word Mobile</td> <td>Socket Mobile SocketScan</td> </tr> <tr> <td>Excel Mobile</td> <td>Socket Mobile Connect!Agent</td> </tr> <tr> <td>PowerPoint Mobile</td> <td>Socket Mobile Modem Utilities</td> </tr> <tr> <td>IE Mobile</td> <td>Socket Mobile Ethernet Utilities</td> </tr> <tr> <td>Outlook Mobile</td> <td>Socket Mobile Serial I/O Utilities</td> </tr> <tr> <td>.NET Compact Framework v2.0</td> <td></td> </tr> </table>	Programmable Home Screen	Windows Media Player 10.2 Mobile	Calculator	ActiveSync Client v4.x	MSN Messenger Client	Socket Mobile Wi-Fi Companion	Word Mobile	Socket Mobile SocketScan	Excel Mobile	Socket Mobile Connect!Agent	PowerPoint Mobile	Socket Mobile Modem Utilities	IE Mobile	Socket Mobile Ethernet Utilities	Outlook Mobile	Socket Mobile Serial I/O Utilities	.NET Compact Framework v2.0	
Programmable Home Screen	Windows Media Player 10.2 Mobile																		
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IE Mobile	Socket Mobile Ethernet Utilities																		
Outlook Mobile	Socket Mobile Serial I/O Utilities																		
.NET Compact Framework v2.0																			
Performance Characteristics																			
Processor	Intel PXA270 @ 624 MHz																		
Operating System	Microsoft® Windows Mobile® 5.0 Premium Edition																		
Memory	128MB SDRAM, 256MB NAND FLASH																		

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Environmental Characteristics	
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 meter drops to concrete covered with vinyl
ESD Specification	+/- 8kV air discharge, +/- 8kV direct discharge
Wireless Communications	
Wireless Local Area Network	IEEE® 802.11 b/g Data Rate: 1/2/5.5/6/9/11/12/18/24/36/48/54 Mbps Frequency Range: Country dependent (chan 1- 14); 2.412 to 2.484 GHz Output Power: 14.5 dBm (OFDM); 16 dBm (CCK) Antenna: Internal
<i>Bluetooth</i>	v2.0 + EDR Class 2 Supported Profiles: - GAP: Generic Access Profile - SDP: Service Discovery Profile - GOEP: Generic Object Exchange Profile - SPP: Serial Port Profile - OPP: Object Push Profile -HID: Human Interface Device Profile -DUN: Dial-Up Networking -A2DP: Advanced Audio Profile -HSP: Headset Profile
Included Accessories	
	SoMo 650-M Wall charger: AC/DC adapter, Input 100~240 V AC Desktop cradle: Simultaneous charge for docked unit and spare battery -Two USB 2.0 ports USB hub -Powered from wall charger USB: ActiveSync cable with charge function through USB port Full Size Stylus Leather Carrying Case Companion CD with software and User's Guide Quick Start Guide
	SoMo 650-E Wall charger: AC/DC adapter, Input 100~240 V AC USB: ActiveSync cable with charge function through USB port Full Size Stylus Companion CD with software and User's Guide Quick Start Guide
Optional Accessories	
	In-car charger Extended battery: 2600 mAh Extra stylus: 3 pack Screen protectors 26-pin IO cable Car mount Belt/shoulder case Jell case Scanner cap 26-pin IO cable with USB host and power connector
Optional Peripherals (continued on next page)	
	Socket Mobile SD Scan Card Series 3 Socket Mobile CF Mag Stripe Reader Card Series 4 Socket Mobile CF Scan Card Series 5 Socket Mobile CF RFID Reader Card Series 6 Socket Mobile Cordless Hand Scanner Series 7 with <i>Bluetooth</i> Wireless Technology

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Optional Peripherals (continued from previous page)	Socket Mobile Cordless Ring Scanner Series 9 with <i>Bluetooth</i> Wireless Technology Socket Mobile Rugged CF 10/100 Ethernet Card Socket Mobile Serial I/O Card Socket Mobile CF 56K Modem Card Socket Mobile SDIO 56K Modem Card Socket Mobile Cordless 56K Modem with <i>Bluetooth</i> Wireless Technology	
Certifications/Compliance	FCC: Part 15, Class B RoHS and WEEE compliant EMI / RFI <i>Bluetooth</i> Certification (BQB test) Microsoft Windows Mobile 5.0 Logo Test Certification EU/International: EN301 489-1, -17 EN61000-4-2: 1995, ESD ± 8kV air/±4kV contact EN61000-4-3: 1997, radiated Immunity 3V/m EN61000-4-4: 1995, EFT ± 0.55kV EN61000-4-5: 1995, Surge ± 0.5kV EN61000-4-6: 1	CE: EN Electrical Safety EN60950, UL, CSA Wi-Fi Alliance Certification USB IF Test
Warranty	1 year standard warranty.	
SKUs SoMo 650-M	Single, US HC0650-738 10 pack, US HC0651-749 Single, Europe HC0652-769 10 pack, Europe HC0653-770	
SoMo 650-E	Single, US HC0654-771 10 pack, US HC0655-772 20 pack, US HC0656-773 Single, Europe HC0657-774 10 pack, Europe HC0658-775 20 pack, Europe HC0659-776	



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