

SoMo® 650 Handheld Computer

Standard and EB (Extended Battery) Versions

Specification Sheet

MODEL	Standard	EB (Extended Battery)	
PHYSICAL	Dimensions	5.00 x 2.94 x 0.81 inches (127 x 74.60 x 20.6 mm)	5.00 x 2.94 x 0.98 inches (127 x 74.60 x 25 mm)
	Total Mass	6.25 oz (177 g) with battery and stylus	7.20 oz (204 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 1200 mAh Lithium Ion rechargeable	3.7V 2600 mAh Lithium Ion rechargeable
	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 Blue/Green LED for <i>Bluetooth</i> and Wireless LAN	
	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 26 pin docking connector for ActiveSync USB 1.1 host & USB 2.0 Client 2.5mm headset jack with support for both 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 Web/Communications: Office Outlook Mobile, Internet Explorer Mobile, MSN Messenger Client Synchronization: ActiveSync Client Media: Windows Media Player 10.2 Mobile Programmable Home Screen .NET Compact Framework v2.0 Calculator	
	Socket Software*	Data Capture: SocketScan™ keyboard wedge software for Socket barcode / RFID / magnetic stripe readers and UIC683 contactless smart card reader Wireless Broadband: SoMo 650 Back Pack Utilities WLAN / <i>Bluetooth</i> : Enhanced Wi-Fi® Companion™, Connect!Agent™, Radio Manager for WM 5.0 only 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 Systems Available	Windows Mobile 6 Classic - Worldwide English, Chinese, Dutch, Finnish, French, German, Italian, Portuguese (Brazilian/Iberian), Spanish, Swedish** Windows Mobile® 5.0 for Pocket PC - Worldwide English only	
	Memory	128 MB SDRAM, 1 GB or 256 MB NAND FLASH (Windows Mobile 5.0 devices available only with 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	

*SoMo devices come with Wi-Fi Companion installed. Enhanced Wi-Fi Companion works only with Windows Mobile 6 or later and is optional to install.

**Some languages available through ROM upgrade, available free to registered users of Windows Mobile 6 devices

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 meter drops to concrete covered with vinyl
	ESD Specification	+/- 8kV air discharge, +/- 8kV direct discharge

WIRELESS	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 Cisco CCX 4.0 certified*
	Bluetooth	v2.0 + EDR Class 2 Supported Profiles: <ul style="list-style-type: none"> - GAP: Generic Access Profile - SDP: Service Discovery Profile - A2DP - Advanced Audio Profile - AVCTP - Audio/Video Control Transport Protocol - AVRCP - Audio/Video Remote Control Profile - DUN - Dial-up Networking Profile - GAVDP - Generic Audio/Video Distribution Profile - AVDTP - Audio/Video Distribution Transport Protocol - HP: Headset Profile - HID - Human Interface Device (Host role) - OPP - Object Push Profile (Client and Server) - SPP - Serial Port Profile

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 Industry Canada RoHS and WEEE compliant EMI / RFI Bluetooth Certification (BQB test) Microsoft Windows Mobile 5.0, 6.1 Logo Test Certified EU/International: EN301 489-1, -17 EN61000-4-2: 1995, ESD ± 8kV air/±4kV contact NOM, COFETEL Cisco CCX 4.0 (requires Enhanced Wi-Fi Companion software)* 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 ANATEL

PACKAGE CONTENTS	SoMo 650-E	SoMo 650 handheld computer Wall charger: AC/DC adapter, Input 100~240 V AC USB sync/power cable Full size stylus Companion CD with software and User's Guide
	SoMo 650-M	Same as SoMo 650-E plus: Desktop cradle: Simultaneous charge for docked unit and spare battery, includes USB 1.1 Host and USB 2.0 Client ports, powered from wall charger Leather carrying case 2.5mm to 3.5mm audio headset adapter Audio headset with microphone

OPTIONAL ACCESSORIES	Data Capture	Barcode / RFID / magnetic stripe readers (SD / CF card or Bluetooth wireless)
	Wireless Broadband	SoMo 650 Back Pack wireless broadband ExpressCard adapter (Novatel wireless modem not included)
	Charging/ Synchronization	Batteries: Standard battery, Extended battery set, Mobile Power Pack Cradles: Cradle kit, Multi-bay charger Cables: Car charger, Master USB with DC jack, USB sync cable, USB Y cable
	Protection	Screen Protector Kit FlexGuard silicone cover
	Input	Tethered Stylus
	For a full list of Socket peripherals and accessories, please visit: http://www.socketmobile.com/products/handheld-computer/accessories/	

* Requires Enhanced Wi-Fi Companion software, compatible with Windows Mobile 6 or later and optional to install

SKU NUMBERS - SINGLE UNIT, STANDARD CONFIGURATION*

Model	Region	Worldwide English	Brazilian Portuguese	Spanish	French	German	Italian	Portuguese
SoMo 650-M (with cradle) Windows Mobile 6 (1 GB NAND FLASH)	N. America	HC1411-1208	HC1439-1236	HC1443-1240				
	EMEA	HC1412-1209		HC1441-1238	HC1433-1230	HC1431-1228	HC1435-1232	HC1437-1234
SoMo 650-E Windows Mobile 6 (1 GB NAND FLASH)	N. America	HC1413-1210	HC1440-1237	HC1444-1241				
	EMEA	HC1414-1211		HC1442-1239	HC1434-1231	HC1432-1229	HC1436-1233	HC1438-1235
SoMo 650-M (with cradle) Windows Mobile 6 (256 MB NAND FLASH)	N. America	HC0600-1000	HC0610-1010	HC0615-1015				
	EMEA	HC0605-1005		HC0640-1040	HC0620-1020	HC0625-1025	HC0630-1030	HC0635-1035
SoMo 650-E Windows Mobile 6 (256 MB NAND FLASH)	N. America	HC0602-1002	HC0612-1012	HC0617-1017				
	EMEA	HC0607-1007		HC0642-1042	HC0622-1022	HC0627-1027	HC0632-1032	HC0637-1037
SoMo 650-M (with cradle) Windows Mobile 5.0	N. America	HC0650-738						
	EMEA	HC0652-769						
SoMo 650-E Windows Mobile 5.0	N. America	HC0654-771						
	EMEA	HC0657-774						

SKU NUMBERS - SINGLE UNIT, EXTENDED BATTERY

Model	OS	Language	NAND FLASH	Region	SKU Number
SoMo 650EB-M (with cradle)	Windows Mobile 6	Worldwide English	1 GB	North America	HC1419-1216
				EMEA	HC1420-1217
			256 MB	North America	HC1401-1172
				EMEA	HC1403-1174
SoMo 650EB-E	Windows Mobile 6	Worldwide English	1 GB	North America	HC1417-1214
				EMEA	HC1418-1215
			256 MB	North America	HC0686-1087
				EMEA	HC0687-1088

SKU NUMBER - SINGLE UNIT, UPGRADE DVD

Model	OS	Languages	Region	SKU Number
SoMo 650 Upgrade DVD	Upgrades from Windows Mobile 5.0 to Windows Mobile 6	Chinese Dutch English (Worldwide) Finnish French Italian German Spanish Swedish Portuguese (Brazilian) Portuguese (Iberian)	All	SW1241-893

* Upgrade for any supported language available free to registered users of devices running Windows Mobile 6



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