

## Built for Business

- Patient care
- Hospitality POS
- Sales force automation
- Inventory tracking
- Asset management
- Retail merchandising



## Durability and Performance for Enterprise Applications

Socket Mobile's SoMo 655 family of mobile computers delivers the performance, features and value required by today's businesses. Designed with investment protection and flexibility in mind, the SoMo 655 features the Windows Embedded Handheld 6.5 operating system, an 802.11 b/g/n Wi-Fi radio, enterprise class *Bluetooth*<sup>®</sup>, industry leading 4GB memory, a robust connector design and flexible docking station that charges a spare battery and the SoMo 655 with or without Socket's optional extended protection DuraCase.

Designed for business mobility, the SoMo 655 provides an ergonomic design with contoured grip surfaces, is lightweight and small enough to fit into your pocket. Socket completes the offering with Antimicrobial and non-radio models, a complete set of data capture choices and a full line of accessories to assure that the SoMo 655 fits perfectly into your application environment.



**SoMo 655**

Ideal for a wide range of applications that require wireless connections



**SoMo 655Rx**

Best suited for hygiene-sensitive environments such as healthcare or hospitality



**SoMo 655DXS**

Designed for environments where a radio/microphone is not permitted or required

### FEATURES

- Small form factor for portability and comfort: At only 7.2 oz (204 g) the SoMo 655 is one of the lightest in its class
- Operating System: Windows Embedded Handheld 6.5 (formerly Windows Mobile 6.5 Classic)
- PXA270M processor running at 624 MHz for fast application responsiveness
- Memory: Large 4 GB standard Flash memory and user accessible microSD slot for up to 32 GB of additional storage
- High-quality 3.5 inch color touchscreen display for easy viewing and data entry
- WLAN: 802.11 b/g/n Wi-Fi technology for great coverage, fast roaming and robust network security
- Best-in-class wireless management: Socket's **Enhanced Wi-Fi Companion (e-WFC)** management software delivers advanced network security and seamless roaming
- *Bluetooth* version 2.0 + EDR Class 2 for maximum support of 3rd party peripherals
- Versatile data collection options offer flexibility and expandability: Add barcode scanning, magnetic Stripe Reading, RFID or combo barcode scanning and RFID



- Socket's SoMo FileStore provides non-volatile storage that survives a hard reset: Restore device ROM image, applications and configuration settings without the need to re-load software.
- SDK available to developers. The SDK provides flexible control via Application Programming Interfaces to optimize hardware features of the SoMo 655 for specific applications.
- Long available life you can count on: Socket recognizes the need for extended product availability far longer than is common with consumer products companies. When it is time to upgrade, Socket provides realistic thoughtful migration options to ensure a smooth transition.



The SoMo 655 is covered by Socket Mobile's 5-year supply commitment for hardware, software, accessories & support.

# Specifications

## AVAILABLE MODELS

### SoMo 655: Standard

Color: Black Radios: 802.11 b/g/n & Bluetooth

### SoMo 655Rx: Antimicrobial

Color: White Radios: 802.11 b/g/n & Bluetooth  
Additive: Ishizuka Glass, Ionpur IPL, EPA#73148-3, FDA#FCN000432  
Rating: 2.49 on Methicillin-resistant Staphylococcus aureus (MRSA)  
6.07 when cleaned with Sani-Cloth<sup>®</sup> Plus disposable cloth wipes

### SoMo 655DXS: No Radio

Color: Black Radios: None

## PHYSICAL CHARACTERISTICS

### Dimensions with extended battery:

5.00 x 2.94 x 0.98 inches (127 x 74.60 x 25 mm)  
Weight: 7.20 oz (204 g)

### Display, backlight and touch panel:

3.5", 65K colors TFT LCD, 16 bit-per-pixel, 240(w) x 320(L) resolution, white LED backlight, glass analog resistive touch panel for use with stylus or fingertip

### Battery:

Rechargeable 3.7V 2600 mAh Li-Ion, Super capacitor backup  
Use the Battery Life Estimator: <http://goo.gl/zdeo0>

### Expansion slots:

(Reinforced to prevent damage when dropped)  
CompactFlash I/O (CF) and microSD slots

### Buttons:

4 front panel and 2 side programmable soft buttons  
Mode Switch control  
5 navigation buttons  
Power on/off button and device reset button

### LED indicators:

Red/Green LED for alarm, battery charging  
Blue/Green LED for Bluetooth and WLAN  
Vibrate for alarm

### Connectors:

Power jack barrel connector  
16 pin communications/charging connector  
USB 1.1 Host & 2.0 Client  
3.5mm headset jack with support for voice & stereo

### Audio support:

High quality built in speaker and microphone support VoIP / Speech recognition / PTT / Dictation applications

## PRE-LOADED APPLICATIONS & UTILITIES

### Microsoft Software:

Office Mobile 2010 (optional): Word / Excel / PowerPoint / OneNote / SharePoint Workspace  
Web/Communications: Outlook Mobile, IE Mobile  
Synchronization: ActiveSync Client  
Media: Windows Media Player Mobile  
.NET Compact Framework v3.5  
Additional Applications: Calculator, Notes, Tasks

### Socket Software:

Data Capture: SocketScan Plug-in™ for CF barcode / MSR / RFID / UIC683 smart card reader cards, SocketScan 10 for Socket Mobile Bluetooth barcode scanners  
WLAN Management: Enhanced Wi-Fi Companion for advanced management  
Power Management: Power Plus Battery Friendly® / Mode Switch / CPU performance utilities

3rd Party Software: Foxit PDF Reader, SOTI MobiScan Agent for automated WLAN configuration, Sprite Backup (Trial version)

## PERFORMANCE

### CPU:

624 MHz PXA270M

### Operating System:

Windows Embedded Handheld 6.5 (formerly Windows Mobile 6.5 Classic)

### Memory & Storage:

128 MB SDRAM, 4 GB FLASH, up to 32 GB additional with microSD slot  
SoMo File Store: Non-volatile memory for device applications/ configurations can survive a hard reset of device. Features Auto-Run support, ideal for provisioning deployments

### Languages Available:

Worldwide English, Chinese (simplified), Dutch, Finnish, French, German, Italian, Japanese, Portuguese (Brazilian & Iberian), Spanish, Swedish

## WIRELESS - SoMo 655 & SoMo 655Rx only

### Wireless LAN (Wi-Fi):

IEEE 802.11 b/g/n  
Data Rates (802.11b/g/n): Up to 135 Mbps  
Frequency Range: Country dependent (channels 1- 13); 2.412 – 2.472 GHz  
Antenna: internal

### Bluetooth:

V2.0 + EDR Class 2 with support for the following profiles:  
- DUN: Dial up networking  
- GAP: General Access Profile  
- SDP: Service Discovery Profile  
- A2DP: Advanced Audio Profile  
- AVCTP: A/V Control Transport  
- AVRCP: A/V Remote Control  
- GAVDP: Generic Audio/Video Distribution Profile  
- AVDTP: A/V Distribution Transport Protocol  
- HSP: Headset Profile  
- HID: Human Interface Device (Host role)  
- OPP: Object Push Profile (Client and server)  
- SPP: Serial Port Profile

## ENVIRONMENTAL

### Temperature and Humidity:

Operating Temperature: 0° to 50° C (32° to 120° F)  
Storage Temperature: -25° to 75° C (-13° to 167° F)  
Humidity: 95% non-condensing

### Durability:

Drop Specification: Multiple 1 m (3.3 ft) drops to vinyl-covered concrete  
Multiple 1.3 m (4.3 ft) with optional DuraCase  
ESD Specification: +/- 8kV air discharge, +/- 8kV direct discharge

## LEGAL

### Warranty:

Standard: SoMo handheld computer (all models): One year Accessories: 90 days  
SocketCare™ extended warranty sold separately <http://www.socketcare.com>

### Certification & Compliance:

- FCC: Part 15, Class B  
- Industry Canada  
- RoHS and WEEE compliant  
- EMI / RFI  
- Bluetooth Certification (BQB test)  
- EU/International: EN301 489-1,-17  
- TELECOM  
- EN61000-4-2 : 1995, ESD ± 8kV air/±4kV contact  
- Microsoft Windows Embedded Handheld 6.5 Logo Test Certified  
- 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  
- USB IF Test

## SOFTWARE DEVELOPMENT KIT (SDK)

The SDK provides flexible control via Application Programming Interfaces so developers can optimize hardware features of the SoMo 655 for their specific application and end user environment. For more information visit:

<http://www.socketmobile.com/support/Developer/SoMo/>



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