

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[®], 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.

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 a complete set of data capture choices and a broad range of accessories to assure that the SoMo 655 fits perfectly into your application environment.



SoMo 655

Designed for Business Mobility applications that need wireless connectivity



SoMo 655Rx

Made with antimicrobial materials for healthcare and hospitality



SoMo 655DXS

Designed to meet special security needs of government applications.

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: 802.11b/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.
- 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.

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® Plus disposable cloth wipes

SoMo 655DXS: No Radio

Color: Black Radios: None

PHYSICAL CHARACTERISTICS

Dimensions with battery:

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

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

Expansion slots: (Reinforced to prevent damage when dropped)
CompactFlash (CF) and microSD slots

Buttons:

4 front panel and 2 side programmable soft buttons
A/B mode switch control
5 navigation buttons
Power on/off button and device reset button

LED / Vibrate 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

PERFORMANCE

CPU: 624 MHz PXA270M

Operating System: Windows Embedded Handheld 6.5 (previously
known as 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 - GAVDP: Generic Audio/Video Distribution Profile
- GAP: General Access Profile - AVDTP: A/V Distribution Transport Protocol
- SDP: Service Discovery Profile - HSP: Headset Profile
- A2DP: Advanced Audio Profile - HID: Human Interface Device (Host role)
- AVCTP: A/V Control Transport - OPP: Object Push Profile (Client and server)
- AVRCP: A/V Remote Control - 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 655/655Rx/655 DXS One year / Accessories: 90 days
Extended: SocketCare™ enhanced service program sold separately

Certification & Compliance:

- FCC: Part 15, Class B	- EN61000-4-3: 1997, radiated immunity 3V/m
- Industry Canada	- EN61000-4-4: 1995, EFT ± 0.55kV
- RoHS and WEEE compliant	- EN61000-4-5: 1995, Surge ± 0.5kV
- EMI / RFI	- EN61000-4-6: 1
- Bluetooth Certification (BQB test)	- CE: EN
- EU/International: EN301 489-1,-17	- Electrical Safety: EN60950, UL, CSA
- TELECOM	- USB IF Test
- EN61000-4-2 : 1995, ESD ± 8kV air/±4kV contact	
- Microsoft Windows Embedded Handheld 6.5 Logo Test Certified	

PRE-LOADED APPLICATIONS & UTILITIES

Microsoft Software:

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

Socket Software:

Data Capture: SocketScan™ for barcode / MSR / RFID / UIC683 Smart Cards
WLAN Management: Enhanced Wi-Fi Companion for advanced
management
Power Management: Power Plus Battery Friendly® / A/B Mode Switch / CPU
performance utilities

3rd Party Software:

Sprite Backup (Trial version), SOTI MobiScan Agent for automated WLAN
configuration



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