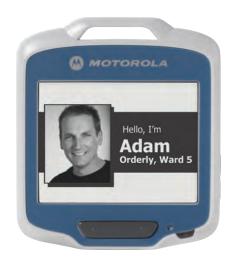## THE AFFORDABLE, WEARABLE MOBILE DEVICE DESIGNED FOR ALL HEALTHCARE PERSONNEL

SB1-HC SMART BADGE

Improve the quality of care and the patient experience with the SB1-HC. In hospitals and clinics, there are literally thousands of tasks that need to be performed every day — and the timeliness and accuracy of those tasks directly impacts the quality of care patients receive. But the cost of outfitting your entire healthcare staff with a mobile device that can streamline and improve task management has been prohibitive — until now. The SB1-HC is an affordable mobile device that provides every healthcare staff member with the features and functionality required to ensure swift action and task accuracy. With its ability to run task management applications, you can easily create a task list for each worker and track task status, while robust bar code scanning streamlines and error-proofs the execution of a wide variety of tasks. For example, technicians can scan equipment —such as holter recorders, pulse oximeters and defibrillators —to validate maintenance is about to be performed on the proper piece of equipment. Items in a supply cabinet can be scanned to automate inventory counts and replenishment, ensuring that critical supplies are always available when needed. And patient porters can scan the bar codes on patient wristbands upon pick-up and arrival to ensure that the right patient is being delivered to the right location. In addition, this tiny device has what it takes to handle life in a healthcare organization. The touch screen works even with a gloved hand. The device is designed to handle constant disinfecting with harsh chemicals. And a military standard drop specification and environmental sealing ensure dependable operation, despite drops, spills, exposure to heat and cold and more.

Small, lightweight and wearable
The compact, light SB1-HC is easily worn on a lanyard, belt clip or armband, where it is available to healthcare staff in an instant.

Built for constant disinfecting
Special plastics and IP54 sealing enable the regular wipedowns required to prevent the spread of germs between patients and caregivers.

Durable — designed for everyday use
The SB1-HC is a true enterprise product, built to handle everyday use in the hospital, easily surviving drops, spills, exposure to heat and cold and more.

Fast and easy capture of any bar code
With omni-directional scanning, an integrated aimer, LED and beeper, scanning a 1D or 2D bar code couldn't be easier — even if bar codes are dirty, damaged or poorly printed.

Screen inversion for easy viewing
An accelerometer instantly orients the screen 180° based on device position for instant viewing — crucial in the critical world of healthcare.

Enterprise-class push-to-talk[1]
At the press of a button, an SB1-HC user can talk to other staff who are carrying virtually any mobile device — an SB1-HC, a Motorola Solutions mobile computer (such as the MC40), a two-way radio[1] or popular third party smartphones.

Full shift power
The SB1-HC provides the peace of mind that comes from knowing workers will always have more than ample power for a full shift. The low-power E Ink display provides over 14 hours of battery life from a single charge. And in badge mode, the screen can display a healthcare worker's picture and name whenever the device is not in use — yet draw virtually no power at all.

Easy to read — everywhere
The 3 in. E Ink® Pearl display is easy to read in virtually every lighting condition.

Easy 'touch' navigation
Finger-style navigation eliminates the need for a stylus and supports a gloved hand.

Built for sharing
No need to assign devices — healthcare workers can simply log in at the start of a shift to automatically access their personal task list, messages and authorized applications.

Easily connect to wireless networks
With our Wi-Fi 802.11b/g/n radio, your staff gets a secure and solid wireless connection to your WLAN — so voice and data features are simply always available.

Government grade security protects patient data
FIPS 140-2 certification[2] keeps sensitive patient information safe and helps achieve compliance with healthcare-related government regulations, such as HIPAA.

THE SB1-HC. THE CONSTANT CONNECTION YOUR HEALTHCARE STAFF NEEDS TO IMPROVE THE QUALITY OF CARE.

For more information, visit www.motorolasolutions.com/sb1-HC or access our global contact directory at www.motorolasolutions.com/contactus

SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS

Dimensions	3.62 in. L x 3.19 in. W x 0.94 in D 92 mm L x 81 mm W x 24 mm D
Weight	4.4 oz./124 g
Colors	Healthcare White; Black
Display	3.0 inch E Ink Pearl display; 4-bit gray scale (16 shades); QVGA (320x240)
Touchpanel	Full screen resistive touch; finger operation (no stylus)
Battery	910mAH (full charging in less than 4 hours)
Notification	Audio: beeper Visual: multi-color LEDs
Audio	Integrated microphone, speaker, 2 PTT buttons (public and private), and headset jack

PERFORMANCE CHARACTERISTICS

CPU	i.MX35 (532MHz)
Memory	128 MB RAM/128 MB Flash
Applications	Supports thin client applications — HTML5 with RhoElements extensions

USER ENVIRONMENT

Operating Temp.	32° F to 104° F/0° C to 40° C
Storage Temp.	-40° F to 158° F/-40° C to 70° C
Humidity	5 to 95% non-condensing
Drop Specification	Multiple 4 ft./1.22 m drop to tile over concrete per MIL STD 810G specifications
Sealing	IP54

INTERACTIVE SENSOR TECHNOLOGY (IST)

Motion Sensor	Integrated accelerometer enables low-power badge mode and screen rotation

DATA CAPTURE

Bar Code Reader	1D/2D omni-directional bar code reader with integrated aiming and built-in illumination

Reading Range	Code Type	Near	Far
	80% UPC	2.50 in./6.35 cm	9.36 in./23.77 cm
	100% UPC	2.67 in./6.78 cm	13.47 in./34.21 cm
	7.5mil Code 39	2.02 in.*/5.08 cm	8.57 in./5.13 cm
	10mil Code 39	2.54 in.*/6.45 cm	20.67 in./52.50 cm
	10mil PDF417	1.64 in.*/4.16 cm	7.98 in./20.27
	10mil DataMatrix	2.76 in.*/7.01 cm	5.41 in./13.74 cm

Near distance field of view is limited and will depend on bar code length.

VOICE AND AUDIO

PTT voice communications; integrated microphone, speaker and headset for PTT communications

WIRELESS LAN VOICE AND DATA COMMUNICATIONS

Radio	Wi-Fi IEEE® 802.11b/g/n

INCLUDED SOFTWARE

Motorola Solutions RhoElements webkit application environment; SB1 device shell and configuration pages; Motorola Solutions Push-to-Talk Express (PTT) client for PTT voice communications; Motorola Solutions integrated Rapid Deployment client for zero-touch staging and provisioning

PERIPHERALS AND ACCESSORIES

10-slot charging cradle (desk and rack mountable); single-slot charging cradle; headset adapter; neck lanyard with safety breakaway; belt clip/holster with tether; wrist/arm-band; developer USB cable

CLEANING INSTRUCTIONS

Approved Cleanser Active Ingredients:
100% of the active ingredients in any cleaner must consist of one or some combination of the following: isopropyl alcohol; hydrogen peroxide; mild dish soap

Harmful Ingredients:
The following chemicals are known to damage the plastics on the SB1-HC devices and should not come in contact with the device: ammonia solutions, compounds of amines or ammonia; acetone; ketones; ethers; aromatic and chlorinated hydrocarbons; aqueous or alcoholic alkaline solutions; ethanolamine; toluene; trichloroethylene; benzene; carbolic acid and TB-lysoform. In addition, bleach solutions are known to corrode gold contacts over time.

Cleaning Instructions:
Do not apply liquid directly to the SB1-HC devices. Dampen a soft cloth or use pre-moistened wipes. Do not wrap the device in the cloth or wipe, but gently wipe the unit. Be careful not to let liquid pool around the display window or other places. If a solution containing bleach is used on the gold contacts, it is recommended that an immediate wipe down using isopropyl alcohol (IPA) be administered to remove residuals. Allow unit to dry before use.

Special Cleaning Notes:
Many vinyl gloves contain phthalate additives, which are often not recommended for medical use and are known to be harmful to the housing of the SB1-HC devices. The SB1-HC devices should not be handled while wearing vinyl gloves containing phthalates, or before hands are washed to remove contaminant residue after gloves are removed. If products containing any of the harmful ingredients listed above are used prior to handling the SB1-HC devices, such as hand sanitizers that contain ethanolamine, hands must be completely dry before handling the devices to prevent damage to the plastics

REGULATORY

Visit www.motorolasolutions.com/sb1-hc for regulatory information

WARRANTY

Subject to the terms of Motorola's hardware warranty statement, the SB1-HC is warranted against defects in workmanship and materials for a period of 12 months from the date of shipment. For complete warranty statement, go to: http://www.motorolasolutions.com/warranty

RECOMMENDED SERVICES

Service from the Start Advance Exchange Support

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1 The Motorola Solutions Push-to-Talk Express client is required on all devices (initiating and receiving) to enable push-to-talk services with mobile computers and third-party smartphones. Motorola Solutions Radio Link is required to enable push-to-talk with two-way radios.

2 Available Q2 2014

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