



SYMBOL DS6878-HC

CORDLESS 2-D IMAGER FOR HEALTHCARE APPLICATIONS

PREVENT MEDICAL ERRORS, IMPROVE PATIENT SAFETY AND INCREASE CAREGIVER PRODUCTIVITY

The DS6878-HC cordless imager enables hospitals to automate data capture, improve data accuracy, increase productivity and streamline everyday processes in patient rooms, laboratories and the pharmacy. Its matchless feature set meets the unique requirements of healthcare facilities. An intuitive and ergonomic design combines with dependable and rapid capture of bar codes and other images, allowing caregivers to remain focused on the patient — not the technology. The DS6878-HC is easy to install virtually anywhere inside the hospital environment — the flexible base options enable easy mounting horizontally or vertically on walls, cabinets and workstations. Cordless freedom via Bluetooth allows users to easily move to the bar code, eliminating the hazards associated with cables as well as the need to disturb or inconvenience patients, while offering the flexibility required for rapid data capture in emergency situations. When paired with the standard charging cradle, the DS6878-HC offers the ability to charge the scanner over the USB cable, eliminating the need for a separate power supply and reducing the management headaches associated with mounting a cordless scanner to a computer or workstation on wheels (COW or WOW).

COMPREHENSIVE HIGH-PERFORMANCE DATA CAPTURE FOR A WORLD OF HEALTHCARE APPLICATIONS

The ability to capture any 1-D or 2-D bar code as well as signatures, documents and still photographs enables this single device to error-proof and simplify many processes throughout your facility — from medication administration to specimen collection, admitting and inventory and dietary management. Built on Zebra's revolutionary SE4500 scan engine, the DS6878-HC re-defines imaging technology, offering easy first-time capture of any type of data through: laser-like performance on 1-D and 2-D bar codes; an intuitive aiming pattern; scanning in any type of lighting; the ability to capture even poor quality and damaged bar codes; and full omnidirectional scanning, eliminating the need to precisely align bar code and imager.

DISINFECTANT-READY DESIGN PREVENTS THE SPREAD OF GERMS

The DS6878-HC is designed specifically to help protect patients and caregivers against dangerous and deadly illnesses. IP43 sealing and specially selected plastics that utilize proprietary molding technologies create a hygienic design that allows safe wipe-downs and sanitizing with bleach, alcohol, soap and water and more — without harming the housing or the sensitive scanning components.

BUILT FOR ALL-DAY EVERYDAY USE

The DS6878-HC offers Zebra's best-in-class drop specification — 6 ft./1.8 m drops to concrete. IP43 sealing protects sensitive electronic components from exposure to dust and liquids. The result is dependable operation, despite the inevitable everyday drops, bumps and spills.

PROTECT YOUR DATA WITH GOVERNMENT GRADE SECURITY

Native FIPS 140-2 Level 1 certification (optional) brings government grade security to healthcare organizations, providing easy and cost-effective compliance with HIPAA, PCI and other industry security regulations.

THE ZEBRA END-TO-END ADVANTAGE

FEATURES

Designed for deployment on a computer or workstation on wheels (COW or WOW)

USB charging capability eliminates a power supply and the typical cable management headaches normally associated with mounting a cordless scanner to a medical cart, computer cart or workstation (COW or WOW); horizontal or vertical installation provides the flexibility to keep the work surface clear while ensuring that the scanner is always in easy reach and charging

Disinfectant-ready

IP43 sealing and a specially designed plastic housing allows safe wipe-down and cleansing with a wide variety of harsh chemicals (See Specification Chart for approved cleanser list)

Comprehensive advanced data capture

Captures 1-D and 2-D bar codes; optional hands-free presentation cradle enables signature and document capture; OCR to capture printed text and MICR for automated capture of check-related data and conversion of check-based transactions to electronic paperless debit transactions; supports creation of electronic medical records (EMRs); eliminates the need to purchase multiple devices

Lightweight ergonomic design

Easy to hold regardless of hand size; reduces fatigue; enables all day scanning comfort to protect productivity in scan-intensive applications

Superior durability

When you choose Zebra, you get the end-to-end support required to ensure maximum uptime in the mission critical environment of healthcare, as well as a low total cost of ownership (TCO). The ability to remotely manage the Remote Scanner Management (RSM)-ready device from a central location substantially reduces the time and costs typically associated with the management of mobile devices. In addition, Zebra's Service from the Start Advance Exchange Support helps keep your DS6878-HC scanners up and running at peak performance — and in the hands of your caregivers. This exceptional service minimizes downtime with next-business-day replacement of devices that require repair. Your scanners will also be protected from the unexpected with built-in Comprehensive Coverage, which includes normal wear and tear as well as coverage for internal and external components damaged through accidental breakage — significantly reducing unforeseen repair expenses.

For more information on the DS6878-HC cordless 2-D imager, visit our global contact directory at www.zebra.com/ds6878hc or access our global contact directory at www.zebra.com/contact.

SOFTWARE STATEMENT

The DS6878-HC is compatible with Bedside Meds Administration software provided by the following vendors (partial list)

- Cerner
- Epic
- Siemens
- Eclipsys
- Meditech

SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS		IMAGING CHARACTERISTICS	
Dimensions	<p><i>Scanner:</i> 7.3 in. H x 3.85 in. L x 2.7 in. W/ 18.5 cm H x 9.7 cm L x 6.9 cm W</p> <p><i>Base-mounted vertically:</i> 8.35 in. H x 3.4 in. W x 2 in. D/ 21.1 cm H x 8.6 cm W x 5 cm D</p> <p><i>Base-mounted horizontally:</i> 2.0 in. H x 8.35 in. L x 3.4 in. W/ 5 cm H x 21.1 cm L x 8.6 cm W</p>	Graphics Format Support	Images can be exported as Bitmap, JPEG, and TIFF (requires the hands-free presentation cradle)
Weight	Scanner: 8.4 oz./238 g (typical) CR0078-S Base: 6.4 oz./183 g (typical)	Image Quality	120 DPI on a 4 in. x 6 in. (10.2 x 15.2 cm) document @ 6.5 in./16.5 cm
Voltage and Current (CR0078 Base)	<p>Voltage: 5 +/-10% VDC Typical Current Charging/Non Charging: 700 mA/260 mA with external power</p> <p>Voltage: 5 +/-10% VDC Typical Current Charging/Non Charging: 490 mA/260 mA with host power through cable</p>	USER ENVIRONMENT	
Color	Healthcare White (shown)	Sealing	IP43 (water and dust resistant)
PERFORMANCE CHARACTERISTICS		Operating Temperature	32° F to 122° F/0° C to 50° C
Light Source	Aiming Pattern: 655 +/- 10 nm laser diode	Storage Temperature	-40° F to 158° F/-40° C to 70° C
		Drop Specifications	Withstands multiple 6 ft./1.8 m drops to concrete
		Ambient Light Immunity	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting
		Approved Cleansing Agents	Isopropyl alcohol, bleach/sodium hypochlorite, hydrogen peroxide, gentle dish soap and water
		Approved Brand-name Cleansers	Super Sani-Cloth® Wipes; Clorox® Bleach; Windex® Antimicrobial; Windex® with Ammonia D; Virex® 5

Offers Zebra's best in-class drop specification — the ability to survive 6 ft./1.8 m drops to concrete — and IP43 sealing, ensuring reliable operation in spite of everyday spills, drops and bumps

Government grade security with Zebra MAX Secure

FIPS 140-2 certification enables compliance with the most stringent industry security regulations, including HIPAA, PCI and requirements for sensitive government applications (requires FIPS configuration scanner and CR0078-P base)

Superior high performance scanning on all bar codes

The integrated revolutionary SE4500 imager eliminates the performance degradation common in 2-D scanning, delivering: laser-like performance on both 1-D and 2-D codes; rapid and accurate capture of even poor quality and damaged bar codes; and full omnidirectional scanning, which eliminates the need to precisely align bar code and imager, improves ergonomics and protects productivity

Bluetooth® v2.1 with EDR

Provides a secure wireless connection to the scanner base station for cordless convenience and safety

RSM (Remote Scanner Management) Ready

Reduces total cost of ownership by enabling remote, network-based device management of all devices in all locations

Supports 123Scan² scanner configuration tool

Enables rapid and easy customized set-up through a free, wizard-based PC software tool

Illumination: 625 +/- 5 nm LED

Wipes; Dispatch[®]; Sani-Cloth[®] Plus

Field of View 39.2° horizontal, 25.4° vertical

Roll/Pitch/Skew 360°, ±60°, ±60°

SYMBOLGY DECODE CAPABILITY

1-D UPC/EAN (UPCA/UPCE/UPCE1/
EAN-8- EAN-13/JAN-8/JAN13 plus
supplementals, ISBN (Bookland),
ISSN, Coupon Code, Code 39 (
Standard, Full ASCII, UCC/EAN-128,
ISBT-128 Concatenated), Code 93,
Codabar/NW7, Code 11 (standard,
Matrix 2 of 5), MSI Plessey, 1 2 of 5 (
Interleaved 2 of 5 / ITF, Discrete 2 of
5 IATA, Chinese 2 of 5) GS1 Databar
(Omnidirectional, Truncated, Stacked,
Stacked Omnidirectional, Limited,
Expanded, Expanded Stacked, Inverse
) , Base 32 (Italian Pharmacode)

**PDF417 (and Variants
)** PDF417, microPDF417, Composite
Codes (CC-A, CC-B, CC-C)

Postal U.S. Postnet and Planet, U.K., Japan,
Australian, Netherlands KIX code,
Royal Mail 4 State Customer, UPU
ICS 4 State Postal, USPS 4CB,
Canadian Post (Postbar)

2-D TLC-39, Aztec (Standard, Inverse),
MaxiCode, DataMatrix/ECC 200 (
Standard, Inverse), QR Code (
Standard, Inverse and Micro)

Print Contrast 25% minimum reflectance

**Interfaces Supported
(Base)** RS-232C (Standard, Nixdorf, ICL, and
Fujitsu); USB (Standard, IBM
SurePOS, Macintosh), IBM 468x/469x
, keyboard wedge and wand emulation
. Synapse
connectivity allows for connectivity to
all of the above plus many
non-standard
interfaces

**Note: National Drug Codes (NDC) can be encoded in various
symbolgies. The DS6878-HC can be used to parse these codes
using Advanced Data Formatting (ADF) rules.**

SECURITY CERTIFICATION

Certified compliant with FIPS 140-2 (requires FIPS
configuration scanner and CR0078-P base)

REGULATORY

Electrical Safety UL6950-1, CSA C22.2 No. 60950-1,
EN60950-1/ IEC60950-1

Laser Safety EN60825-1:1994 +A1: 2002 +A2:
2001, IEC60825-1, 21CFR1040.10
and 21CFR1040.11, CDRH Class II,
IEC Class 2

EMI/RFI FCC Part 15 Class B, ICES-003 Class
B, CISPR 22, CISPR 24; Medical
electrical equipment: EN60601-1-2:
2002

Environmental Compliant with RoHS directive 2002/
95/EEC

Radio Bluetooth[™], Class 1, Version 2.1 +
EDR, Adaptive Frequency Hopping (
enables co-existence with 802.11
wireless networks), serial port & HID
profiles; data rate — up to 3 Megabits/
sec

ACCESSORIES

Power Supplies Power supplies are available to
support faster charging or for
applications that do not supply power
over the host cable

Mounting Brackets Wall-mount bracket; workstation
bracket

WARRANTY

**Subject to the terms of Zebra's hardware warranty statement,
the DS6878 is warranted against defects in workmanship and
materials for a period of: Scanner: thirty-six (36) months,
Battery: one (1) month. For the complete Zebra hardware
product warranty statement, go to: [http://www.zebra.com/
warranty](http://www.zebra.com/warranty)**

RECOMMENDED SERVICES

Customer Services Service from the Start Advance
Exchange Support

See Decode Zone charts on back

DS6878-HC TYPICAL DECODE RANGES (TRIGGER MODE)

Barcode Type	Barcode Density	Inches from scanner nose (typical)
Code 39	5 mil	0.5 - 6.3 in.

Code 128	6 mil	1.3 - 5.4 in.
Code 128	10 mil	* - 8.0 in.
60% UPC	7.8 mil	0.6 - 7.2 in.
100% UPC	13 mil	1.2 - 14.2 in.
PDF	5 mil	1.9 - 3.5 in.
PDF	6.6 mil	1.0 - 5.9 in.
PDF	10 mil	* - 8.0 in.
Datamatrix	10 mil	1.1 - 7.2 in.

* Limited by FOV



ZEBRA

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ZEBRA TECHNOLOGIES