ELFT HEALTHCARE

ODATALOGIC





ERGONOMIC AND SAFE

The Elf™ HC PDA is specifically developed for healthcare applications with chemical resistant plastics / enclosure designed to withstand daily cleaning with harsh disinfectant solutions. This model capitalizes the much appreciated Elf ergonomics; the shape and form are designed for human hands. The guitar pick and pen stylus provide additional assistance when entering data, even when wearing gloves.

DATA CAPTURE

The Healthcare industry is affected by a growing usage of 2D codes: wristband identification, exam tracking, specimen bar codes, blood bag traceability, breast milk tracking and medication dispensing. For this reason, the Elf HC has been equipped with a fast and reliable 2D imager able to read a wide array of 1D and 2D bar codes, under any condition.

MADE FOR SILENT ENVIRONMENTS

To assure the maximum respect of patients, especially in patient bedside care applications, the Elf HC is equipped with Datalogic's patented 'Green Spot' technology and a vibrating alert. Both provide good-read feedback, avoiding noisy and annoying beeps.

WIRELESS COMMUNICATIONS

Equipped with an 802.11 a/b/g radio, it offers a CCX v4 maximum level of security. A Bluetooth® EDR is also mounted on this model, for fast data transfer to printers or other peripherals, avoiding the cables.

DEVELOP, DEPLOY, DIRECT

The Elf HC model offers the Windows Embedded Handheld 6.5 platform, including the Datalogic SDK and tools for integrating voice, pictures, and video to create or enhance existing software solutions. Wavelink® device management tools make Elf a simple device to both deploy and maintain.











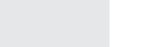


FEATURES

- Chemical resistant plastics / enclosure designed to withstand daily cleaning with harsh disinfectant solutions
- Ergonomic, compact and robust
- Windows Embedded Handheld 6.5
- Laird / Summit embedded 802.11 a/b/g radio for enterprise-class mobile connectivity with CCX V4 certification
- Bluetooth® Wireless Communications 2.0 EDR for simultaneous connections with lower power consumption
- Wide aspect 2D imager with Datalogic's patented 'Green Spot' for good-read feedback
- 3 Megapixel auto-focus Camera with Flash
- 256 MB RAM / 256 MB Flash memory
- XScale[™] PXA 310 @ 624 MHz processor
- User-accessible microSD card slot compatible with SDHC cards
- Ruggedized with 1.2 m / 4.0 ft drop to concrete resistance and IP64 protection class
- Wavelink Avalanche® device management
- Pal™ Application Library pre-licensed
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-APPLICATIONS

- Patient Bedside Care:
 - Electronic Medical Records (EMR)
 - Bedside Medication
 Administration
- Specimen Collection
- Laboratory
- Specimen Tracking
- Diagnosis & Tests
- Blood Bag Traceability
- Transfusion Tracking
- Breast Milk Tracking
- Pharmacy
 - Medication Dispensing Process
 - Replenishment and Inventory Management
- Admittance, Accounting & Billing
 - In-patient
 - Out-patient
 - Emergency



DATALOGIC

LOCAL AREA NETWORK (LAN) Laird / Summit IEEE 802.11 a/b/g Frequency range: Country dependent, typically 2.4 and 5.2 GHz; CCX v4 Security PERSONAL AREA NETWORK (PAN)

Bluetooth® Wireless Technology IEEE 802.15; Class 2 with EDR

DECODING CAPABILITY

1D / LINEAR CODES Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes 2D CODES Aztec Code, Data Matrix, Maxicode, QR Code, UPU FICS, USPS 4CB

POSTAL CODES Australian Post, Japan Post, KIX Code; PLANET, POSTNET; Royal Mail Code (RM4SCC) STACKED CODES MicroPDF417, PDF417

ELECTRICAL

BATTERY Removable battery pack with rechargeable Li-ion batteries; 3.7 V 3000/5000 mAh; (11.10/18.50 Watt hours)

ENVIRONMENTAL

DROP RESISTANCE Withstands drops from 1.2 m / 4 ft onto concrete PARTICULATE AND WATER SEALING **TEMPERATURE** Operating: -10 to 50 $^{\circ}$ C / 14 to 122 $^{\circ}$ F Storage/Transport: -20 to 70 °C / -4 to 158 °F

INTERFACES

INTERFACES Main connector with USB 1.1 Host, USB 1.1 Client, RS-232 up to 115.2 Kbps

Ethernet: via single-slot or multi-slot docks

(external modules)

PHYSICAL CHARACTERISTICS

DIMENSIONS 15.7 x 8.1 x 4.2 cm / 6.2 x 3.2 x 1.7 in DISPLAY Reflective TFT daylight readable color display, 640 x 480 pixels, 8.9 cm / 3.5 in diagonal, 65K colors, backlight, touch screen KEYPAD 46-key QWERTY backlit keyboard standard; Side scan keys, push to talk and volume setting WEIGHT 390.0 g / 13.8 oz with Standard Battery; 424.0 g / 15.0 oz with High-Capacity Battery

READING PERFORMANCE

CAMERA Resolution: 3 megapixel; Illumination: User controllable flash; Lens: Auto-focus IMAGING Scan Rate: 60 frames/sec maximum; Minimum Resolution: Linear codes at 3 mils; 2D codes at 5 mils

Image Formats: BMP, JPEG; Resolution: Wide VGA (752 H x 480 V pixels), 256 grayscale

READING INDICATORS Vibrator, LEDs and Datalogic 'Green Spot'

Caution: Laser Radiation - do not stare into beam

SAFETY AND REGULATORY

AGENCY APPROVALS The product meets necessary safety and regulatory approvals for its intended use

The Users Guide has the complete list of certifications.

Complies to China RoHS; Complies to EU RoHS **ENVIRONMENTAL COMPLIANCE**

IEC 60601-1-2; EN 60601-1-2 FMI / RFI LASER CLASSIFICATION CDRH/IEC Class II:

VLD - Class 2/II EN 60825-1/CDHR

SOFTWARE

APPLICATIONS Vo-CE™, Wavelink® SpeakEasy (Voice Recognition) Pal™ Application Library pre-licensed

Wavelink Avalanche® pre-licensed, Avalanche CONFIGURATION & MAINTENANCE Remote Control™, Datalogic Firmware Utility (DFU);

Datalogic Desktop Utility (DDU); Datalogic Configuration Utility (DCU)

DEVELOPMENT Windows SDK, Datalogic SDK (C/C++, .Net, Java),

Wavelink Studio, MCL-Collection™, Java Virtual Machine

TERMINAL EMULATION Wavelink Terminal Emulation, Wavelink Industrial

Browser, Wavelink ConnectPro™

SYSTEM

COPROCESSOR ARM-7 32 bit 72 MHz **EXPANSION SLOTS** MicroSD card slot compatible with SDHC cards,

user-accessible

MEMORY System Flash: 256 MB (including Backup directory

for permanent storage of user data and programs) System RAM: 256 MB

MICROPROCESSOR , XScale™ PXA310 @ 624 MHz

OPERATING SYSTEM Windows Embedded Handheld 6.5 with Mobile tools: Outlook, Word Mobile, Excel Mobile,

PowerPoint Mobile, One Note Mobile and Internet Explorer Mobile 6.0

Time and date stamping under software control REAL-TIME CLOCK

CHEMICAL RESISTANT PLASTICS / ENCLOSURE FOR HEALTHCARE

Refer to the device instruction manual for proper cleaning methods when using these chemicals. Disinfectants should not be sprayed or poured onto the device. The device must always be wiped dry after disinfecting.

PRODUCT	CHEMICAL CONTENT
Sani-Cloth® HB, Sani-Cloth® Plus, Super Sani-Cloth®	Quaternary Ammonium Chloride solution
Hepacide Quat II	Virucidal disinfectant cleaner
Alcohol Wipes	70% Isopropyl Alcohol
CaviWipes™	Isopropanol 10-20%; Ethylene Glycol Monobutyl Ether 1-5%
Virex® 256	n-Alkyl Dimethyl Benzyl Ammonium Chloride; Didecyl
	Dimethyl Ammonium Chloride
409® Glass and Surface	n-Alkyl Dimethyl Benzyl Ammonium Chloride;
Cleaner	n-Propoxypropanol
Windex® Blue	Isopropyl Alcohol
Clorox® Bleach	Sodium Hypochlorite; Sodium Hydroxide
100% Gentle dish soap and water	





94A150052 Single Slot Dock with Spare Battery Slot

Batteries / Battery Chargers



• 94ACC0100 Standard Capacity Battery ■ 94ACC0101 High Capacity Battery



■ 94ACC0103 Handstrap



• 94ACC0102 Stylus, Guitar Pick Shape w/Cord (5 pcs.)

Note: All standard Elf accessories (except for the handle), will be usable together with the Elf HC model.