FUNCTION

Rugged construction survives unintentional drops to concrete and exposure to water and dust.

FEEL & FORM

Capitalizing on Datalogic's legendary ergonomics, the new PDA packs unprecedented features into a compact form factor built for single handed use. Use of an accelerometer eliminates awkward presentation of on screen data and a unique guitar pick stylus provides for intuitive touch screen navigation.

COMPUTE

Getting a job done quickly has never been easier with a 624 MHz processor and 256 MB RAM. A Micro SD card slot supporting SDHC storage cards provides for virtually unlimited storage space for photos taken with the onboard 3MP camera.

CAPTURE

Both a 1D laser scanner and 2D bar code imager enable a wide array of bar codes seen across diverse enterprises. Both have Datalogic's patented Green Spot good read technology to improve user efficiency and accuracy.

COMMUNICATE

The new PDA provides four wireless technologies in the same form factor: Bluetooth® EDR for fast data transfer, 802.11 a/b/g with Cisco Certified security, UMTS HSDPA for real-time communication outside the enterprise and Assisted GPS (A-GPS) with Skyhook's Core Engine hybrid positioning system for location based applications.

DEVELOP, DEPLOY, DIRECT

Elf™ offers the latest Windows Embedded Handheld 6.5 or CE 6.0 platform, with the Datalogic SDK and tools for integrating voice, pictures, and video to create or enhance existing mobility software solutions. Wavelink® device management tools make Elf™ a simple device to both deploy and maintain.

FEATURES

- Ergonomic, compact and robust
- Windows Embedded Handheld 6.5 or CE 6.0
- Assisted GPS (A-GPS) with Skyhook's Core Engine hybrid positioning system for location based applications and directions (WEHH 6.5 only)
- UMTS HSDPA mobile radio for voice and data communication (WEHH 6.5 only)
- 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
- High performance Laser or Wide aspect 2D imager with Datalogic's patented Green Spot for good read confirmation
- Accelerometer to auto-rotate display (WEHH 6.5 only)
- 3 Megapixel autofocus Camera with Flash (WEHH 6.5 only)
- 256 MB RAM / 256 MB Flash memory
- XScale™ PXA 310 @ 624 MHz processor
- User-accessible micro SD memory slot (SDHC)
- Ruggedized with 1.5 m / 5.0 ft drop to concrete resistance and IP64 protection class
- Wavelink Avalanche® device management
- Pal Application Library prelicensed

APPLICATIONS

- Field Force Automation: Sales, Service and Courier
  - Workforce Management
  - Proof of Delivery
  - Fleet Management
  - Access Control
  - Inventory management
  - Order management
  - Order and price look-up
  - Mobile CRM
- Retail: Mass and General Merchandisers, Warehouse Clubs, Pharmacy, Grocery and Convenience Stores
  - Store management
  - Inventory
  - Shelf replenishment
  - Price management
  - Order entry
  - Assisted sales

WIRELESS COMMUNICATIONS

GLOBAL POSITION SYSTEM (GPS)	Assisted GPS (A-GPS) with Skyhook's Core Engine hybrid positioning system
LOCAL AREA NETWORK (LAN)	Summit IEEE 802.11a/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
WIDE AREA NETWORK (WAN)	UMTS HSDPA 850 1900 2100 - GSM/GPRS/EDGE 850 900 1800 1900 MHz for voice and data communication
	SIM socket under the battery

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	Micro PDF, 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 1.5 m / 5 ft onto concrete
PARTICULATE AND WATER SEALING	IP64
TEMPERATURE	Operating: -10 to 50 ºC / 14 to 122 ºF
	Storage/Transport: -20 to 70 ºC / -4 to 158 ºF

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, 320 x 240 pixels (CE only) or 640 x 480 (WEHH only), 8.9 cm / 3.5 in diagonal, 65K colors, backlight, touch screen
KEYPAD	27-key Numeric or 46-key QWERTY backlit keyboard standard; Side scan keys, push to talk and volume setting
WEIGHT	415.0 to 44.0 g / 14.6 to 15.5 oz, depending on model (includes battery)

READING PERFORMANCE

CAMERA (WEHH MODELS ONLY)	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 gray scale
LASER	Depth of Field: 5 to 64 cm / 2 to 25 in, depending on bar code density
	Minimum Resolutions: 0.10 mm / 4 mils
	Scan Rate: 104 +/- 12 scans/sec
READING INDICATORS	Vibrator, LEDs and Green Spot

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.
ENVIRONMENTAL COMPLIANCE	Complies to China RoHS; Complies to EU RoHS
LASER CLASSIFICATION	CDRH/IEC Class II; VLD - Class 2/II EN 60825-1/CDHR
LED CLASSIFICATION	IEC Class 1M

SOFTWARE

APPLICATIONS	Vo-CE™ (voice recognition), Wavelink® SpeakEasy (voice recognition)
	Pal Application Library prelicensed
CONFIGURATION & MAINTENANCE	Wavelink Avalanche® prelicensed, Avalanche 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	Micro SD card slot compatible with SDHC cards, user-accessible
MEMORY	System Flash: 256 MB (including Backup directory for user data & programs permanent storage)
	System RAM: 256 MB
MICROPROCESSOR	XScale™ PXA310 @ 624 MHz
OPERATING SYSTEM	Windows CE 6.0 or Windows Embedded Handheld 6.5 with Mobile tools: Outlook, Word Mobile, Excel Mobile, PowerPoint Mobile, One Note Mobile and Internet Explorer Mobile 6.0
REAL-TIME CLOCK	Time and date stamping under software control

Caution: Laser Radiation - do not stare into beam

ACCESSORIES ....

Docks/Battery Chargers
- 94A151124 Single Slot Dock with Spare Battery Slot (Opt. Ethernet or Modem Connection)
- 94A151134 Four Slot Dock (Optional Ethernet Connection)
- 94A151130 Power Mobile Dock

Miscellaneous
- 94ACC1378 Quick-attach Handle