



## FUNCTION

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

## FEEL & FORM

Capitalizing on Datalogic ADC'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 Mobile® 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
- Microsoft Windows Mobile® 6.5 or CE 6.0
- Assisted GPS (A-GPS) with Skyhook's Core Engine hybrid positioning system for location based applications and directions (WM 6.5 only)
- UMTS HSDPA mobile radio for voice and data communication (WM 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 both with Green Spot patented good read confirmation
- Accelerometer to auto-rotate display (WM 6.5 only)
- 3 Megapixel autofocus Camera with Flash (WM 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 ft) drop to concrete resistance and IP64 protection class
- Wavelink Avalanche® device management
- Pal Application Library precensored

## 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



## PHYSICAL CHARACTERISTICS

<b>DIMENSIONS</b>	157 x 81x 42 mm (6.18 x 3.18 x 1.65 in)
<b>WEIGHT</b>	415 to 440 g (14.6 to 15.5 oz) depending on model (incl. battery)
<b>DISPLAY</b>	Reflective TFT daylight readable color display, allowing both resolution 320 x 240 pixels (CE only) or 640 x 480, 89 mm (3.5 in) diagonal, 65K colors, backlight, touch screen
<b>KEYBOARD</b>	27-key Numeric or 46-key QWERTY backlit keyboard standard. Side scan keys, push to talk and volume setting
<b>NOTIFICATION</b>	Vibrator, LEDs and Green Spot
<b>OPERATING TEMPERATURE</b>	-10° +50°C (14° to 122°F)
<b>STORAGE TEMPERATURE</b>	-20° +70°C (-4° to 158°F)
<b>DROP RESISTANCE</b>	Withstands drops from 1.5 m (5 ft) onto concrete
<b>ENVIRONMENTAL SEALING</b>	IP64 standard for water and dust resistance

## SYSTEM

<b>OPERATING SYSTEM</b>	Windows CE 6.0 or Microsoft Windows Mobile® 6.5 with Mobile tools: Outlook, Word Mobile, Excel Mobile, PowerPoint Mobile, One Note Mobile and Internet Explorer Mobile 6.0
<b>MICROPROCESSOR</b>	XScale™ PXA310 @ 624 MHz
<b>COPROCESSOR</b>	ARM-7 32 bit 72 MHz
<b>SYSTEM RAM MEMORY</b>	256 MB
<b>SYSTEM FLASH MEMORY</b>	256 MB (including Backup directory for user data & programs permanent storage)
<b>EXPANSION SLOTS</b>	Micro SD card slot compatible with SDHC cards, user-accessible
<b>REAL-TIME CLOCK</b>	Time and date stamping under software control
<b>POWER SUPPLY</b>	Removable battery pack with rechargeable Li-ion batteries; 3.7 V 3000/5000 mAh (11.10/18.50 Watt hours)

## COMMUNICATIONS

<b>INTERFACES</b>	Micro USB connector: USB 2.0 Client, USB 1.1 Host and Client OTG, also for supplying power Electrical: integrated RS232 up to 115.2 Kbps, USB 2.0 Client, USB 1.1 Host
<b>WIDE AREA NETWORK (WAN)</b>	UMTS HSDPA 850 1900 2100 - GSM/GPRS/EDGE 850 900 1800 1900 MHz for voice and data communication SIM socket under the battery
<b>LOCAL AREA NETWORK (LAN)</b>	Summit IEEE 802.11a/b/g Frequency range: Country dependent, typically 2.4 and 5.2 GHz
<b>PERSONAL AREA NETWORK (PAN)</b>	CCX v4 Security Bluetooth® Wireless Technology IEEE 802.15 Class 2 with EDR
<b>GLOBAL POSITION SYSTEM (GPS)</b>	Assisted GPS (A-GPS) with Skyhook's Core Engine hybrid positioning system

## READING OPTIONS

### LASER CHARACTERISTICS

<b>SCANNING RATE</b>	104 ± 12 scan/sec
<b>MINIMUM RESOLUTION</b>	0.10 mm / 4 mils
<b>DEPTH OF FIELD</b>	5 to 64 cm (2 to 25 in), depending on bar code density
<b>BAR CODES</b>	GS1 Databar, EAN/UPC, Code 39, 2/5 Codes, Plessey, Codabar, Code 128, EAN128, MSI, Code 93, Code 11 VLD - Class 2/II EN 60825-1/CDHR

### LASER CLASSIFICATION

### IMAGER CHARACTERISTICS

<b>SCANNING RATE</b>	60 frames/sec maximum
<b>MINIMUM RESOLUTION</b>	Linear codes at 3 mils; 2D codes at 5 mils
<b>BAR CODES</b>	UPC A, UPC E, EAN 8, EAN 13, Interleaved 2 of 5, Code 39, Code 39 Full ASCII, Codabar, Code 128, EAN 128, Code 93, MSI, PDF417, Micro PDF, DataMatrix, QR, GS1 Databar, Aztec, Maxicode, POSTNET, PLANET, Japan Post, Australia Post, KIX Code, Royal Mail RM4SCC, USPS 4CB, UPU FICS CDRH/IEC Class II

### LASER CLASSIFICATION

### LED CLASSIFICATION

<b>RESOLUTION</b>	Wide VGA (752 H x 480 V pixels), 256 gray scale
<b>IMAGE FORMATS</b>	BMP, JPEG

### CAMERA CHARACTERISTICS (WINDOWS MOBILE® 6.0)

<b>RESOLUTION</b>	3 megapixel
<b>ILLUMINATION</b>	User controllable flash
<b>LENS</b>	Auto focus

## SOFTWARE

### DEVELOPMENT

Windows SDK™  
MCL-Collection™  
Java Virtual Machine

### CONFIGURATION & MAINTENANCE

Wavelink Avalanche® prelicensed  
Avalanche Remote Control™  
Avalanche CE Secure™  
Datalogic Firmware Utility  
Datalogic Desktop Utility  
Datalogic Configuration Utility

### TERMINAL EMULATION

Wavelink Terminal Emulation™  
Wavelink TermProxy

### APPLICATIONS

Vo-CE™ (voice recognition)  
Wavelink SpeakEasy (voice recognition)  
Pal Application Library prelicensed

## ACCESSORIES



Caution: Laser Radiation - do not stare into beam



• Single Slot Dock with Spare Battery Slot (Opt. Ethernet or Modem Connection)



• Four Slot Dock (Optional Ethernet Connection)



• Power Mobile Dock



• Quick-attach Handle