



Now CE 6.0 or WM6.5

PROFESSIONAL PDA

Datalogic **Power** ³ HIGHLIGHTS

Boost your business with innovative technology, times 3!

> FUNCTION

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

> FEEL & FORM

Capitalizing on Datalogic Mobile'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. **HF RFID** readers available in combination with barcode readers complete the package

> 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
- > Integrated HF RFID reader
- > 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
- > 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 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



> PHYSICAL CHARACTERISTICS

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

> SYSTEM

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

> COMMUNICATIONS

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

> READING OPTIONS

LASER CHARACTERISTICS

SCANNING RATE	104 ± 12 scan/sec
MINIMUM RESOLUTION	0.10 mm / 4 mils
DEPTH OF FIELD	5 to 64 cm (2 to 25 in), depending on bar code density

BAR CODES

LASER CLASSIFICATION

IMAGER CHARACTERISTICS

SCANNING RATE	60 frames/sec maximum
MINIMUM RESOLUTION	Linear codes at 3 mils; 2D codes at 5 mils
BAR CODES	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

LASER CLASSIFICATION

LED CLASSIFICATION

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

RFID CHARACTERISTICS

OPERATING FREQUENCY	13.56 MHz
RFID TAGS ISO14443	Philips Mifare Classic 1k (read/write block only)
	Philips Mifare Classic 4k (read/write block only)
	Philips Mifare Ultralight
	EMS LRP ISO15693 Series
	EMS HMS Series
	Texas Tag-It HF-I ISO15693
	Infineon ISO15693
	I-CODE SLI ISO15693

RFID TAGS ISO15693

OPERATING RANGE

CAMERA CHARACTERISTICS (Windows Mobile 6.5 only)

RESOLUTION	3 megapixel
ILLUMINATION	User controllable flash
LENS	Auto focus

> SOFTWARE

DEVELOPMENT

Windows SDK™
MCL-Collection™
Java Virtual Machine

TERMINAL EMULATION

Wavelink Terminal Emulation™
Wavelink TermProxy

CONFIGURATION & MAINTENANCE

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

APPLICATIONS

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

MAIN 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)



Powered Mobile Dock



Quick-attach Handle

Specifications are subject to change. Please check www.mobile.datalogic.com for the latest product specifications. For information on product use limitations, please refer to the user manual available at www.mobile.datalogic.com/manuals