



## REAL TIME DATA CAPTURE

- Capture with a high performance laser scanner Datalogic's patented 'Green Spot' technology, an auto ranging laser (XLR) scanner, or a 2D imager combined with a 3 Mega pixel color camera
- Communicate over a Summit 802.11 a/b/g radio with CCX v4 certification for security and seamless roaming or through wired standards including USB, RS-232, Modem and Ethernet
- Parallel computer architecture combines a PXA 310 and Cortex-M3 processors with a base memory package of 256 MB RAM / 256 MB Flash and choice of Microsoft Windows operating systems: Windows Embedded Handheld 6.5 or CE

## ERGONOMIC & RUGGED

- Ergonomic handheld and pistol grip form factors balance a 3.5 inch display, full keyboards and a one piece 5,000 mAh battery
- Rubberized plastic enclosures survive daily abuse and trauma from drops to concrete and exposure to water and dust
- Users feel the full shift difference of oversized numeric and alphanumeric back-lit keyboards, a crystal clear display and an arched pistol grip handle with ergonomic trigger

## EASY & INTUITIVE

- Develop custom solutions using the Datalogic industry leading Software Development Kit for the ultimate in device control
- Deploy quickly with Datalogic Utilities, Scan to Configure and Wavelink® Terminal Emulation
- Direct the installation, maintenance and management using Wavelink® Avalanche® console for the site or enterprise

## FEATURES

- Datalogic's trademark ergonomics balance a 3.5 inch display with full shift battery
- Ruggedized with 1.8 m / 6.0 ft drop to concrete resistance and IP64 rating
- High performance laser and the wide aspect of 2D imaging with Datalogic's patented 'Green Spot' technology
- Auto Ranging Laser
- Optional 3M pixel autofocus camera
- CCX v4 certified 802.11 a/b/g radio
- Bluetooth® wireless communications
- Windows Embedded Handheld 6.5 or Windows CE 6.0 operating system
- Parallel processor architecture combines an XScale™ PXA 310 and a Cortex-M3 processor
- 256 MB RAM / 256 MB Flash memory
- User-accessible Micro SD memory slot
- Wavelink® Avalanche® device management and Terminal Emulation pre-licensed
- Datalogic Utilities and Software Development Kit
- Pal Application Library prelicensed

## APPLICATIONS

- Warehouse and Distribution Centers: Retail, Wholesale, Manufacturing, Automotive/Industrial, Electronics, Food/Beverage, Consumer Products, Pharmaceutical, Third Party Logistics (3PL)
  - Receiving
  - Cross Docking
  - Put Away
  - Staging
  - Voice Picking
  - Shipping
  - Cycle Count
  - Inventory
  - Shelf Replenishment
  - Price Management
  - Order Entry
  - Assisted Sales
  - Planogram Verification
  - Damaged Goods Documentation



## WIRELESS COMMUNICATIONS

<b>LOCAL AREA NETWORK (LAN)</b>	Summit IEEE 802.11 a/b/g Frequency range: Country dependent, typically 2.4 GHz and 5.2 GHz; Cisco Compatible CCX v4 Security
<b>PERSONAL AREA NETWORK (PAN)</b>	Bluetooth® Wireless Technology IEEE 802.15 Class 2 with EDR

## DECODING CAPABILITY

<b>1D / LINEAR CODES</b>	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
<b>2D CODES</b>	Aztec Code, Data Matrix, Intelligent Mail, Maxicode, Micro QR Code, QR Code, UPU FICS
<b>POSTAL CODES</b>	Australian Post, Japan Post, KIX Code; PLANET, POSTNET; Royal Mail Code (RM4SCC)
<b>STACKED CODES</b>	Micro PDF, PDF417

## ELECTRICAL

<b>BATTERY</b>	Removable battery pack with rechargeable Li-ion batteries; 3.7 V 5000 mAh (18.5 Watt hours)
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## ENVIRONMENTAL

<b>DROP RESISTANCE</b>	Withstands drops from 1.8 m / 6.0 ft onto concrete
<b>PARTICULATE AND WATER SEALING</b>	IP64
<b>TEMPERATURE</b>	Operating: -20 to 50 °C / -4 to 122 °F Storage: -40 to 70 °C / -40 to 158 °F

## INTERFACES

<b>INTERFACES</b>	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)
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## PHYSICAL CHARACTERISTICS

<b>AUDIO</b>	Integrated microphone, high-volume loudspeaker
<b>DIMENSIONS</b>	Handheld: 22.5 x 8.8 x 5.5 cm / 8.9 x 3.5 x 2.2 in; 6.4 x 4.0 cm / 2.5 x 1.6 in at keyboard Pistol grip: 22.5 x 8.8 x 16.8 cm / 8.9 x 3.5 x 6.6 in
<b>DISPLAY</b>	Transflective TFT daylight readable color display, 240 x 320 pixels, 3.5 in diagonal, 64K colors, 200 nit backlight, touch screen
<b>KEYBOARD</b>	Polycarbonate hard cap keyboards with backlight 29 key numeric or 52 key alpha numeric with discrete navigation
<b>WEIGHT</b>	Handheld: 626.0 g / 22.1 oz Pistol grip: 699.0 g / 24.6 oz

## READING PERFORMANCE

<b>HIGH PERFORMANCE LASER (HPL)</b>	Depth of Field: 5 to 40 cm / 2 to 16 in, depending on bar code and density. Scanning Rate: 35 +/- 5 scans/sec. Minimum Resolution: 0.20 mm / 7.5 mils Good Read Feedback: Datalogic's patented 'Green Spot' technology
<b>LONG-RANGE LASER (XLR)</b>	Depth of Field: Non reflective labels, from 5 to 243 cm / 2 to 180 in, depending on bar code density. Reflective labels: up to 1,376 cm / 542 in. Near range determined by degree of reflectivity and width of the bar code. All ranges dependent on bar code size and density. Scanning Rate: 40 +/- 6 scans/sec Minimum Resolution: 0.20 mm / 7.5 mils
<b>WIDE ASPECT IMAGER</b>	Depth of Field: 5 to 40 cm / 2 to 16 in, depending on bar code size and density. Scanning Rate: up to 60 frames/sec. Minimum Resolution: Linear codes at 4 mils; 2D codes at 5 mils Good Read Feedback: Datalogic's patented 'Green Spot' technology.
<b>CAMERA</b>	3 Mega pixel color with autofocus and LED flash (WEHH only) Image Formats: BMP, JPEG

## SAFETY AND REGULATORY

<b>AGENCY APPROVALS</b>	The product meets necessary safety and regulatory approvals for its intended use. The Users Manual for this product can be referred to for a complete list of certifications.
<b>ENVIRONMENTAL COMPLIANCE</b>	Complies to EU RoHS
<b>LASER CLASSIFICATION</b>	VLD - Class 2 IEC/EN60825-10. Compliant with 21 CFR 1040.10 except for deviations pursuant to laser notice Number 50, dated June 24, 2007
<b>LED CLASSIFICATION</b>	Exempt Risk Group IEC/EN62471

## SOFTWARE

<b>CONFIGURATION &amp; MAINTENANCE</b>	Wavelink Avalanche® MC prelicensed, Wavelink Avalanche® SE prelicensed, Avalanche Remote Control™, Datalogic Firmware Utility (DFU), Datalogic Desktop Utility, Datalogic Configuration Utility (DCU)
<b>DEVELOPMENT</b>	Windows SDK™ Datalogic SDK (C/C++, .Net, Java); Wavelink® Studio™; MCL-Collection™; Java Virtual Machine
<b>APPLICATIONS</b>	Pal Application Library prelicensed
<b>TERMINAL EMULATION</b>	Wavelink® Terminal Emulation™ prelicensed, Wavelink® Industrial Browser™
<b>SECURITY</b>	Wavelink CE Secure; Wavelink Certificate Manager
<b>VOICE-PICKING</b>	Vo-CE™ Wavelink® SpeakEasy

## SYSTEM

<b>OPERATING SYSTEM</b>	Microsoft Windows CE 6.0 with Microsoft WordPad and Internet Explorer 6.0 Windows Embedded Handheld 6.5 with Mobile tools: Outlook Mobile, 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>	Cortex-M3, 32 bit @ 72 MHz
<b>MEMORY</b>	System RAM: 256 MB, System Flash: 256 MB
<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



Caution: Laser Radiation - do not stare into beam

## ACCESSORIES

### Base Stations/Chargers



• 94A151125 Single Slot Dock with Spare Battery Slot (Opt. Ethernet or Modem Connection)



• 94A151135 Four Slot Dock (Optional Ethernet Connection)



• 94A151137 Multi Battery Charger

### Cases/Holsters



• 94ACC0047 Standard Soft Case



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