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

www.adc.datalogic.com
**SPECIFICATIONS**

**WIRELESS COMMUNICATIONS**

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

**PERSONAL AREA NETWORK (PAN)**

**DECODING CAPABILITY**

1D / LINEAR CODES  Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D CODES Aztec Code, Data Matrix, Intelligent Mail, Maxicode, Micro QR Code, QR Code, UPU PICS
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 5000 mAh (18.5 Watt hours)

**ENVIRONMENTAL**

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

**AUDIO DIMENSIONS** Integrated microphone, high-volume loudspeaker
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

**DISPLAY** Transflective TFT daylight readable color display, 240 x 320 pixels, 3.5 in diagonal, 64K colors, 200 nit backlight, touch screen

**KEYBOARD** Polycarbonate hard cap keyboards with backlight 29 key numeric or 52 key alpha numeric with discrete navigation

**WEIGHT** Handheld: 426.0 g / 22.1 oz
Pistol grip: 699.0 g / 24.6 oz

**READING PERFORMANCE**

**HIGH PERFORMANCE LASER (HPL)** Depth of Field: 5 to 40 cm / 2 to 16 in, depending on bar code and density. Scanning Rate: 35 +/- 1 scans/sec.
Minimum Resolution: 0.20 mm / 7.5 mils
Good Read Feedback: Datalogic's patented 'Green Spot' technology

**LONG-RANGE LASER (XLR)** 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: up to 60 frames/sec.
Minimum Resolution: 0.20 mm / 7.5 mils
Good Read Feedback: Datalogic's patented 'Green Spot' technology

**WIDE-APECT IMAGER** 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

**CAMERA** 3 Mega pixel color with autofocus and LED flash (WEHH only)
Image Formats: BMP, JPEG

**SAFETY AND REGULATORY**

**AGENCY APPROVALS** The product meets necessary safety and regulatory approvals for its intended use. The Users Manual for this product can be referred to for complete list of certifications.

**ENVIRONMENTAL COMPLIANCE** Complies to EU RoHS
VLD - Class 2 IEC/EN50825-10; Compliant with 21 CFR 1040.10 except for deviations pursuant to laser notice Number 50, dated June 24, 2007

**LED CLASSIFICATION** Exempt Risk Group IEC/EN62471

**SOFTWARE**

**CONFIGURATION & MAINTENANCE** WaveLink Avalanche™ MC prelicensed; WaveLink Avalanche® SE prelicensed; Avalanche Remote Control™, Datalogic Firmware Utility (DFU), Datalogic Desktop Utility, Datalogic Configuration Utility (DCU)

**DEVELOPMENT** Windows SDK™ Datalogic SDK (C/C++, .Net, Java); WaveLink® Studio™; MCL-Collection™; Java Virtual Machine

**APPLICATIONS** Pal Application Library prelicensed
WaveLink® Terminal Emulation™ prelicensed, WaveLink® Industrial Browse™

**SECURITY** WaveLink CE Secure; WaveLink Certificate Manager
Vo-CE™
WaveLink® SpeakEasy

**SYSTEM**

**OPERATING SYSTEM** Microsoft Windows CE 6.0 with Microsoft WordPad and Internet Explorer 6.0
Windows Embedded Handheld 6.3 with Mobile tools: Outlook Mobile, Word Mobile, Excel Mobile, PowerPoint Mobile, One Note Mobile and Internet Explorer Mobile 6.0

**MICROPROCESSOR** XScale™ PXA310 @ 624 MHz

**COPROCESSOR** Cortex-M3, 32 bit @ 72 MHz

**MEMORY** System RAM: 256 MB, System Flash: 256 MB

**EXPANSION SLOTS** Micro SD card slot compatible with SDHC cards, user-accessible

**REAL-TIME CLOCK** Time and date stamping under software control

**ACCESSORIES**

**Base Stations/Chargers**

- 94A151125 Single Slot Dock with Spare Battery Shot (Opt. Ethernet or Modem Connection)
- 94A151135 Four Slot Dock (Optional Ethernet Connection)
- 94A151137 Multi Battery Charger

**Cases/Holsters**

- 94ACC0047 Standard Soft Case

Caution: Laser Radiation - do not stare into beam

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