



REAL-TIME DATA CAPTURE

Capture bar codes while exploiting both 1D laser and 2D imaging technologies with Standard and Extra Long Range versions available. A full VGA display and a 3.1 Megapixel color camera are featured in all WEHH Operating System configurations.

Communicate over a Laird/Summit 802.11 a/b/g/n radio with CCX v4 certification for security and seamless roaming, or through wired standards including USB Hi-Speed, RS-232, Modem and Ethernet.

Powerful parallel computer architecture combines PXA310 806 MHz and Cortex-M3 processors, increased Flash memory up to 1 GB, and a choice of Microsoft® Windows® operating systems.

ERGONOMIC & RUGGED

Users feel the full-shift difference of ergonomic handheld and pistol grip form factors to balance a 3.5 inch crystal clear display, full numeric or alphanumeric back-lit keyboards, and a one-piece 5,200 mAh battery.

Rubberized polycarbonate enclosures and a Corning® Gorilla® Glass 3 scan exit window survive daily abuse and trauma from drops to concrete. An IP65 sealing rating ensures ultimate protection against exposure to water and dust.

EASY & INTUITIVE

Develop custom solutions using the industry leading Datalogic Software Development Kit (SDK).

Deploy quickly with Datalogic Utilities, Wavelink® Avalanche® and Wavelink Scan to Configure.

Manage your installed devices using the pre-licensed Wavelink Avalanche, or leverage the included Wavelink Terminal Emulation for your legacy connectivity.



FEATURES

- Full-shift battery and a choice of 3.5 inch touchscreen displays: QVGA or VGA
- Ruggedized with 1.8 m / 6.0 ft drop to concrete resistance and IP65 sealing rating
- Standard range 1D laser and 2D imager feature Datalogic's patented 'Green Spot' technology for good-read feedback
- Auto-Ranging Laser and Extra Long Range 2D Imager
- Corning Gorilla Glass 3 scan window
- 3.1 Megapixel auto-focus camera on all WEHH models
- CCX v4 certified 802.11 a/b/g/n radio
- Windows Embedded Handheld 6.5 or Windows CE 6.0 Professional operating system
- Parallel processor architecture combines an XScale™ PXA310 806 MHz and a Cortex-M3 processor
- 256 MB RAM / 1 GB Flash memory
- Wavelink Avalanche device management and Terminal Emulation pre-licensed
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

INDUSTRY-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

TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATIONS

LOCAL AREA NETWORK (LAN)	Laird/Summit IEEE 802.11 a/b/g/n Frequency range: Country dependent, typically 2.4 GHz and 5.2 GHz; Cisco Compatible CCX v4 Security
PERSONAL AREA NETWORK (PAN)	Bluetooth® Wireless Technology IEEE 802.15 Class 2.1 with EDR

DECODING CAPABILITY

1D / LINEAR CODES	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes.
2D CODES	Aztec Code, Data Matrix, MaxiCode, Micro QR Code, QR Code
POSTAL CODES	Australian Post, Intelligent Mail, Japan Post, KIX Post, Planet Code, Postnet, Royal Mail Code (RM4SCC)
STACKED CODES	GS1 DataBar Composites, GS1 DataBar Expanded Stacked, GS1 DataBar Stacked, MicroPDF417, PDF417, UPC A/E Composites

ELECTRICAL

BATTERY	Removable battery pack with rechargeable Li-ion batteries; 3.7 V 5200 mAh (19.2 Watt hours)
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ENVIRONMENTAL

DROP RESISTANCE	Withstands drops from 1.8 m / 6.0 ft onto concrete and 1500 random drops from 1.0 m / 3.3 ft according to IEC68-2-32 (Method 2)
PARTICULATE AND WATER SEALING TEMPERATURE	IP65 Operating: -20 to 50 °C / -4 to 122 °F Storage: -30 to 70 °C / -22 to 158 °F

INTERFACES

INTERFACES	Main connector with USB 1.1 Host, USB 2.0 Hi-Speed Client, RS-232 up to 115.2 Kbps Ethernet: via single-slot dock (external module)
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PHYSICAL CHARACTERISTICS

AUDIO DIMENSIONS	Integrated microphone, high-volume speaker 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	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
KEYBOARD	Polycarbonate hard cap keyboards with backlight; 29-key numeric or 52-key alphanumeric with discrete navigation
WEIGHT	Handheld: 608.0 g / 21.4 oz Pistol grip: 674.0 g / 23.8 oz

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 a complete list of certifications.
ENVIRONMENTAL COMPLIANCE	Complies to EU RoHS
LASER CLASSIFICATION	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
LED CLASSIFICATION	Exempt Risk Group IEC/EN62471

READING PERFORMANCE

HIGH PERFORMANCE LASER (HPL)	Depth of Field: 1 to 83 cm / 1 to 32 in, depending on bar code and density; Scanning Rate: 104 +/- 12 scans/sec.; Good Read Feedback: Datalogic's patented 'Green Spot' technology
LONG-RANGE LASER (XLR)	Depth of Field: Non-reflective labels from 9 to 490 cm / 0.3 to 16.0 ft, depending on bar code density; Reflective labels: up to 1509 cm / 49.5 ft. Near range determined by degree of reflectivity and width of the bar code. All ranges dependent on bar code size and density; Scanning Rate: 31-41 scans/sec. Minimum Resolution: 0.20 mm / 7.5 mils
STANDARD RANGE IMAGER (2D)	Depth of Field: 2 to 60 cm / 1 to 24 in, depending on bar code size and density; Minimum Resolution: Linear codes: 5 mils; 2D codes: 6.7 mils; Good Read Feedback: Datalogic's patented 'Green Spot' technology
EXTRA LONG RANGE IMAGER (2D XLR)	Depth of Field: 17 to 952 cm / 0.6 to 31.3 ft, depending on bar code size and density; Minimum Resolution: Linear codes: 5 mils; 2D codes: 10 mils
SCAN WINDOW	All scan engines feature Corning® Gorilla® Glass 3 window
CAMERA	3.1 Megapixel color with auto-focus and LED flash (WEHH only); Image Formats: BMP, JPEG

SOFTWARE

CONFIGURATION & MAINTENANCE	Wavelink Avalanche pre-licensed, 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
APPLICATIONS TERMINAL EMULATION	Pal Application Library pre-licensed Wavelink Terminal Emulation pre-licensed, Wavelink Industrial Browser™
SECURITY	Wavelink SecurePlus; Wavelink Certificate Manager
VOICE-PICKING	Vo-CE™; Wavelink Speakeasy™

SYSTEM

OPERATING SYSTEM	Microsoft Windows CE 6.0 Professional with Microsoft WordPad and Internet Explorer® 6.0; Windows Embedded Handheld 6.5 with Office Mobile: Outlook® Mobile, Word Mobile, Excel® Mobile, PowerPoint® Mobile, OneNote® Mobile and Internet Explorer® Mobile 6.0
MICROPROCESSOR	XSacle™ PXA310 @ 806 MHz
COPROCESSOR	Cortex-M3, 32 bit
MEMORY	System RAM: 256 MB, System Flash: 1 GB
EXPANSION SLOTS	MicroSD card slot compatible with microSD-HC cards, user-accessible
REAL-TIME CLOCK	Time and date stamping under software control

WARRANTY

WARRANTY	1-Year Factory Warranty
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Caution: Laser Radiation - do not stare into beam

ACCESSORIES

Docks



■ 94A150057
Single Slot Dock w/ Spare Battery Charging Slot



■ 94A150056
Multi-Ethernet Dock Charges 4 terminals and 4 Batteries



■ 94A151131
Vehicle Dock

Battery Chargers



■ 94A151137
Multi Battery Charger



■ 94A151135
Multi Charge Only Dock Charges 4 terminals and 4 Batteries

Cases/Holsters



■ 94ACC0104
Rubber Boot



■ 94ACC0047
Standard Softcase with Quick Release Belt Clip