FALCON™ X3

◆DATALOGIC

REAL-TIME DATA CAPTURE

- Capture bar codes using a high performance laser scanner with 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 an ergonomic trigger

EASY & INTUITIVE

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

- Full shift battery and a 3.5 inch touchscreen display
- Ruggedized with 1.8 m / 6.0 ft drop to concrete resistance and IP64 rating
- High performance laser and 2D imager with Datalogic's patented 'Green Spot' technology for good-read feedback
- 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
- 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

FALCON™ X3

TECHNICAL 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
PERSONAL AREA NETWORK (PAN)	Bluetooth® Wireless Technology IEEE 802.15 Class 2 with EDR

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 FICS
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 5,200 mAh (18.5 Watt hours)

ENVIRONMENTAL

DROP RESISTANCE	Withstands drops from 1.8 m / 6.0 ft onto concrete
PARTICULATE AND WATER SEALING	IP64
TEMPERATURE	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	Integrated microphone, high-volume loudspeaker
DIMENSIONS	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: 626.0 g / 22.1 oz Pistol grip: 699.0 g / 24.6 oz

Caution: Laser Radiation - do not stare into beam

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 +/- 5 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: 40 +/- 6 scans/sec Minimum Resolution: 0.20 mm / 7.5 mils
WIDE ASPECT 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 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

SOFTWARE

CONFIGURATION & MAINTENANCE	Wavelink Avalanche® MC pre-licensed, Wavelink Avalanche® SE pre-licensed, 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 pre-licensed
TERMINAL EMULATION	Wavelink® Terminal Emulation™ pre-licensed, Wavelink® Industrial Browser™
SECURITY	Wavelink CE Secure; Wavelink Certificate Manager
VOICE-PICKING	Vo-CE™ Wavelink® SpeakEasy

SYSTEM

OPERATING SYSTEM	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
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

- 94A150057 Single Slot Dock with Spare Battery Slot (Opt. Ethernet or Modem Connection)

- 94A150056 Multi-Ethernet Dock

- 94A151137 Multi Battery Charger

Cases/Holsters

- 94ACC0063 Heavy Duty Soft Case

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