falcon™ X3

HAND HELD/PISTOL GRIP

Datalogic Power³ HIGHLIGHTS

Ultimate Performance!

New

> ### REAL TIME DATA CAPTURE
> > Capture with a high performance laser scanner with Green Spot, an auto ranging laser (XLR) scanner, or a 2D imager with Green Spot 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, RS232, 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 Mobile or CE

> ### ERGONOMIC & RUGGED
> > Ergonomic hand held and pistol grip form factors balance a 3.5 inch display, full keyboards and a one piece 5,000 mAh battery
> > Functional 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 using the Datalogic Mobile 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" display and full shift battery
> Ruggedized with 1.8 m (6 ft) drop to concrete resistance and IP64 protection class
> High performance laser with Green Spot
> Wide aspect 2D imager with Green Spot
> Auto Ranging Laser
> Optional 3Mpixel autofocus camera
> CCX v4 certified 802.11 a/b/g radio
> Bluetooth® wireless communications
> Microsoft Windows Mobile 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 MicroSD memory slot
> Wavelink® Avalanche® device management and Terminal Emulation prelicensed
> 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

> PHYSICAL CHARACTERISTICS

DIMENSIONS	Hand held: 225 x 88 x 55 mm, 64 x 40 mm at keyboard (8.9 x 3.5 x 2.2 in, 2.5 x 1.6 in) Pistol grip: 225 x 88 x 168 mm (8.9 x 3.5 x 6.6 in)
WEIGHT	Hand held: 626 g (22.1 oz) Pistol grip: 699 g (24.6 oz)
DISPLAY	Transflective TFT daylight readable color display, 240 x 320 pixels, 3.5 inch diagonal, 64K colors, 200 nit backlight, touch screen
AUDIO	Loudspeaker; Microphone
KEYBOARD	Polycarbonate hard cap keyboards with backlight 29 key numeric or 52 key alpha numeric with discrete navigation
OPERATING TEMPERATURE	-20ºC to 50ºC (-4ºF to 122ºF)
STORAGE TEMPERATURE	-40ºC to +70ºC (-40ºF to 158ºF)
DROP RESISTANCE	Withstands 18 drops from 1.8 m (6 ft) onto concrete
ENVIRONMENTAL SEALING	IP64 standard for water and dust resistance

> SYSTEM

OPERATING SYSTEM	Microsoft Windows CE 6.0 with Microsoft WordPad and Internet Explorer 6.0 Microsoft Windows Mobile 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
SYSTEM RAM MEMORY	256 MB
SYSTEM FLASH MEMORY	256 MB
EXPANSION SLOTS	MicroSD 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 5000 mAh (18.5 Watt hours)

> COMMUNICATION

INTERFACES	Main connector with USB Host, USB Client, RS232 up to 115.2 Kbps, and audio headset support
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

> CAPTURE

LASER CHARACTERISTICS	High Performance Laser (HPL) with Green Spot, Auto Ranging Laser (XLR)
SCANNING RATE	40 ± 6 scan/sec
MINIMUM RESOLUTION	0.20 mm / 7.5 mils
DEPTH OF FIELD	HPL: 7 - 91 cm (3 - 36 inches) depending on bar code density XLR: Non reflective labels from 18 - 393 cm (7 to 154 in) depending on bar code density; Reflective labels to 1376 cm (542 in) All ranges dependent bar code size and density. Near range on reflective bar codes determined by degree of reflectivity and width of bar code
BAR CODES	GS1 Databar, EAN/UPC, Code 39, Code 32, 2/5 Codes, Codabar, Code 128, EAN128, MSI, Code 93
LASER CLASSIFICATION	VLD - Class 2/II EN 60825-1/CDHR
IMAGER CHARACTERISTICS	Wide Aspect Imager with Green Spot
SCANNING RATE	60 frames/sec maximum
MINIMUM RESOLUTION	Linear codes at 4 mils; 2D codes at 5 mils
DEPTH OF FIELD	5 to 40 cm (2 to 16 in), depending on bar code size and density
BAR CODES	PDF417, Micro PDF, Datamatrix, QR Code, Micro QR, Maxicode, Aztec, Postnet, Planet, Japan Post, Aztec, Australia Post, KIX Code, Royal Mail, Intelligent Mail and UPU FICS, GS1 Databar, EAN/UPC, Code 32, Code 39, 2/5 Codes, Codabar, Code 128, EAN128, MSI, Code 93, ISBT 128, Bookland EAN and ISSN EAN
LASER CLASSIFICATION	CDRH/IEC Class II
LED CLASSIFICATION	IEC Class 1M
CAMERA CHARACTERISTICS	3 Mega pixel color with autofocus and LED flash
IMAGE FORMATS	BMP, JPEG

> SOFTWARE

DEVELOPMENT
Datalogic Windows SDK™
Wavelink® Studio™
MCL-Collection™
Java Virtual Machine

CONFIGURATION & MAINTENANCE
Wavelink Avalanche® MC prelicensed
Wavelink Avalanche® SE prelicensed
Avalanche Remote Control™
Datalogic Firmware Utility
Datalogic Desktop Utility
Datalogic Configuration Utility

TERMINAL EMULATION
Wavelink® Industrial Browser™
Wavelink® Terminal Emulation™ prelicensed

SECURITY
Wavelink CE Secure
Wavelink Certificate Manager

APPLICATIONS
Vo-CE™ (voice recognition)
Wavelink® Communicator (push to talk)
Wavelink® SpeakEasy (voice recognition)
Pal Application Library prelicensed

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)

Multi Battery Charger

Soft case and Holster

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/manual

DATALOGIC™

www.mobile.datalogic.com