



Falcon™ X3+

June, 2015

Falcon X3+ Overview

Falcon X3+ Ultimate Performance!



- Best in Class Ergonomics!
 - 10% Lighter than top competitor
- Laser and Area Imagers:
 - Standard and Extra Long Range (XLR)
- Extremely Rugged:
 - Backlit keyboard tested to 5 M cycles
 - Corning® Gorilla® Glass 3 scan window
- Best Roaming and Performance in the Industry:
 - Laird/Summit Wi-Fi featuring CCX v4
 - PCI Compliance
- Lower Cost of Ownership:
 - Wavelink Avalanche and TE

New Design... in the Same Shape!



- Bright 3.5 inch full VGA and QVGA Touchscreen Display:
 - VGA on WEHH
 - QVGA on WinCE
- 3.1 Megapixel Autofocus Camera (WEHH Models)
- New Hand Strap Design
- Full Compatibility with Falcon X3 Docks and Accessories



Increased Ruggedness



- Corning® Gorilla® Glass 3 Scan Window:
 - Ensures no scratches for optimum reading performance
- Improved Water and Particulate Sealing Rating: IP65
- Drop Resistance:
 - Withstands drops from 1.8 m / 6.0 ft onto concrete
 - 1500 random drops from 1.0 m / 3.3 ft



Enterprise Ready



- Choice of Operating Systems:
 - Windows Embedded Handheld 6.5
 - Windows CE 6.0 Professional
- Laird/Summit 802.11 a/b/g/n radio CCX v4 certified
- Manage your installed devices using Wavelink Avalanche (pre-licensed)
- Wavelink Terminal Emulation for legacy connectivity (pre-licensed)

Top Speed, Power and Storage



- Powerful Parallel Computer Architecture:
 - Combines XScale™ PXA310 806 MHz and Cortex-M3 co-processor
- Increased Flash memory up to 1 GB:
 - Additional Flash storage for database storage or asynchronous applications

Choice of Reading Technologies

High Performance Laser (HPL)



- Speed, the Laser Advantage!
- Improved Working Range (+25%) compared to Falcon X3
- Datalogic's Patented 'Green Spot' Technology:
 - Visual good-read feedback
- 1D / Linear Bar Codes
 - Includes GS1 DataBar™ linear codes

Standard Range 2D Imager (SR)



- Imager Advantages:
 - Omnidirectional reading
 - Re-assembles damaged codes
 - Solid-state electronics for higher robustness
- Improved Depth of Field (+20%) compared to the Falcon™ X3 mobile computer
- Datalogic's Patented 'Green Spot' Technology:
 - Visual good-read feedback
- 2D Codes provide a simple method for product traceability
- 1D Linear / 2D Bar Codes

Extra Long Range Laser (XLR)



- Speed, the Laser Advantage!
- Improved Depth of Field compared to the Falcon X3 mobile computer
 - Non-reflective labels:
9 to 490 cm / 0.3 to 16.0 ft
 - Reflective labels:
Up to 1509 cm / 49.5 ft
- 1D / Linear Bar Codes
 - Includes GS1 DataBar™ linear codes

Extra Long Range Imager (2D XLR)

NEW!



- Get the Extra Distance - Now in 2D!
 - Reads up to 9.5 m / 31.3 ft
- Reads in Full Sunlight
- Imager Advantages
 - Omnidirectional reading
 - Re-assembles damaged codes
 - Solid-state electronics for higher robustness
- 2D Codes provide a simple method for product traceability
- 1D Linear / 2D Bar Codes

Falcon X3+ Positioning

The Evolution of Falcon™

- Originally launched in 2004 as Falcon 4400
- Several refreshes with steady improvements in performance, features and the latest technology



2004:
Falcon 4400
Windows CE 4.2
Mono



2005:
Falcon 4400
Windows CE 5.0
Color



2006:
Falcon 4400
Windows Mobile
5.0



2011:
Falcon X3
WEHH 6.5 and
Win CE 6.0



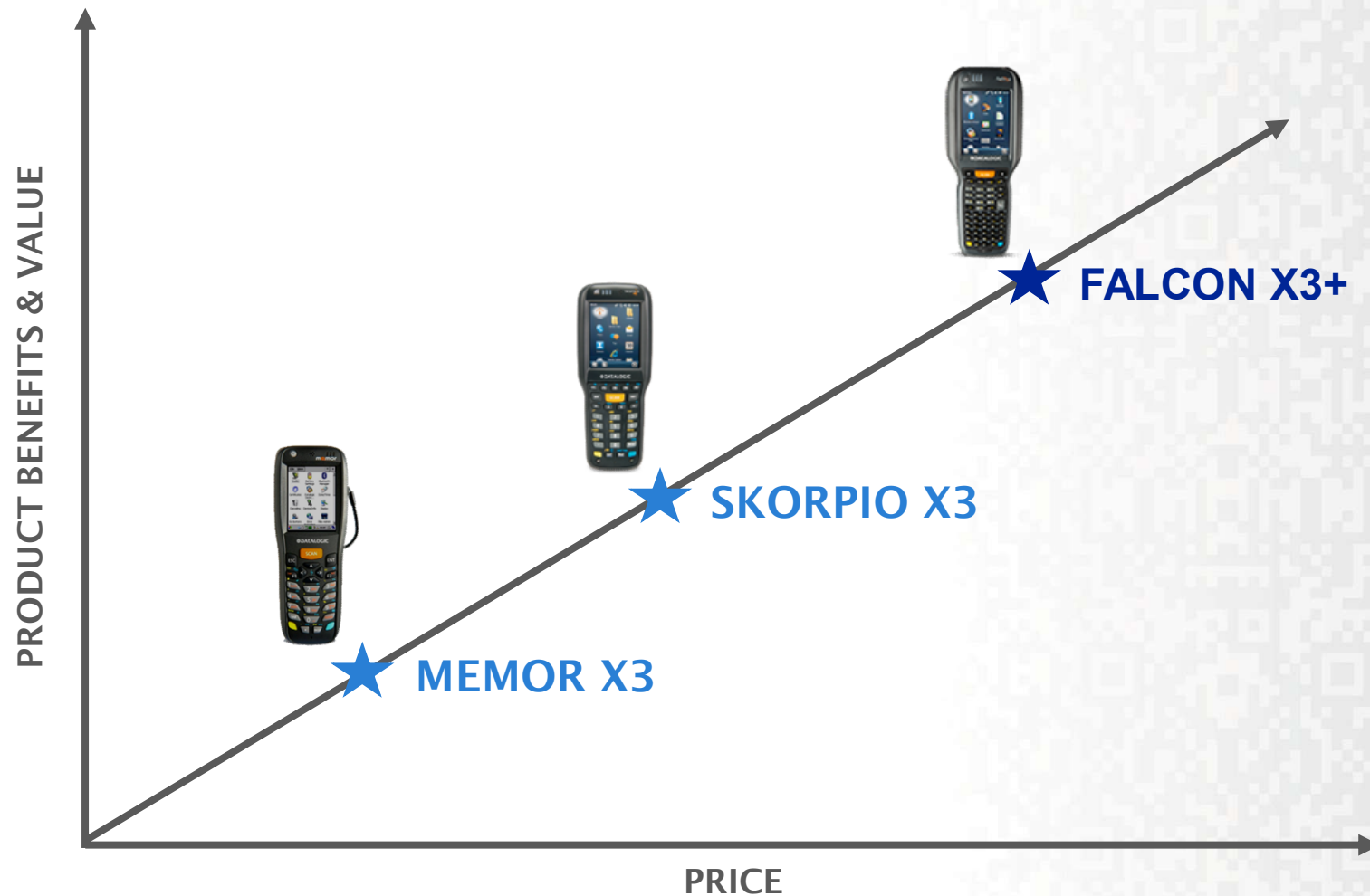
2014:
Falcon X3+

Falcon X3+ Compared to Falcon X3

Feature Comparison	Falcon X3	Falcon X3+
Increased IP Sealing	IP64	IP65
Increased Drop Resistance	Drops: 1.8 m / 6 ft	Drops: 1.8 m / 6 ft Random Falls: 1500 from 1m
Scan Window	No Gorilla Glass	Gorilla Glass 3
Reading Technology	Laser 2D Area Imager 1D XLR Laser	Laser 2D Area Imager 1D XLR Laser 2D XLR Area Imager
Wi-Fi Communication	802.11 a/b/g	802.11 a/b/g/n
Display	3.5 inch QVGA	3.5 inch Full VGA (on WEHH) 3.5 inch QVGA (on WinCE)
Camera	3 Megapixel (on WEHH Alphanumeric)	3.1 Megapixel (on all WEHH)
Improved Performance	624 MHz CPU 256 MB Flash	806 MHz CPU 1 GB Flash



Falcon X3+ Positioning



Features & Benefits

Ruggedized for Your Protection



- Overmold with Polycarbonate Superstructure:
 - Drop to concrete from 1.8 m / 6.0 ft
 - Real world tumble tested: 1500 from 1.0 m / 3.3 ft
- Rubber Sealed Seams:
 - IP65 Sealing against dust and water
- Operating Temperature Range:
 - -20 to 50 °C / -4 to 122 °F
- Polycarbonate Keys with Snap Actuation:
 - Up to 5 million cycles
- Corning Gorilla Glass 3 Scan Window:
 - Ensures no scratches for optimum reading performance

Architecture



- Parallel Processors:
 - XScale™ PXA310 806 MHz
 - Cortex-M3 co-processor
- 256 MB RAM
- 1 GB Flash
- User-accessible microSD:
 - SDHC compatible
 - Secured under the battery

Operating Systems



- Windows CE 6.0 Professional:
 - Microsoft WordPad
 - Excel Viewer
 - Internet Explorer®
- Windows Embedded Handheld 6.5:
 - Outlook Mobile
 - Word Mobile
 - Excel Mobile
 - PowerPoint Mobile
 - OneNote Mobile
 - Internet Explorer Mobile

Wireless Communications



WIRELESS LOCAL AREA NETWORK (WLAN)

- Laird/Summit Radio:
 - IEEE 802.11 a/b/g/n
 - 2.4 GHz and 5.2 GHz frequency bands
 - Diversity antenna
 - CCX V4 Certified
 - WPA/WPA2 Encryption

PERSONAL AREA NETWORK (PAN)

- Bluetooth® Wireless Technology
Class II v2.1 with EDR



Wired Communications



- Multiplexed Main Connector:
 - USB 1.1 Host
 - USB 2.0 Hi-Speed Client
 - Serial
 - Audio
- Accessory Extensions:
 - Ethernet
 - Modem
 - USB Client
 - Serial (RS-232)
 - Wired Voice Headsets

Datalogic's 'Green Spot' Technology



- Visually communicates a good read in noisy and quiet environments
- Reduces errors in areas requiring ear plugs: industrial manufacturing, conveyor systems, etc.
- Eliminates disruption from beepers on retail store floors, in libraries and government buildings
- Included with Falcon X3+:
 - 1D High Performance Laser
 - 2D Standard Range Imager

Color Camera with Flash



- Photos for Documentation:
 - Damaged merchandise
 - Promotional displays
 - Planogram verification
 - Problem reporting
- Camera Specifications:
 - Color with 3.1 Megapixel resolution
 - Autofocus
 - Flash
- Included on all Windows Embedded Handheld models!

Physical Features



- Form Factor:
 - Handheld
 - Pistol Grip
- Single Piece Battery Pack:
 - 5200 mAh @ 3.7V
 - Li-Ion rechargeable
- Audio:
 - Loudspeaker
 - Microphone
- Functional LED Indicators:
 - Power
 - Keyboard
 - Scan

Ergonomics



- Contoured Shape Reduces Fatigue
- Handle:
 - Arched for comfort
 - Ergonomic trigger
 - Finger rest for control
- Crystal Clear Display:
 - Standard Full VGA and QVGA resolution
 - Transflective for daylight visibility
 - Touchscreen navigation

Choice of Keypads



52-Key Alphanumeric

29-Key Numeric

- Keys:
 - Maximized size
 - Touch locator on '5'
 - Back lit
- Layout:
 - Orange 'SCAN' key
 - Soft keys next to 'SCAN'
 - Discrete navigation
 - Numeric phone layout
 - Colored delineation
 - TE Overlay

Functional Keypads



- Functional Keys on first press:
 - F1-F12 on Numeric layout
 - F1-F24 for Terminal Emulation on Full Alphanumeric layout

Datalogic's Pal™ Software Makes it Easy!



- Pal Applications:
 - Fixed Assets
 - Shelf Inventory
 - Shelf Replenishment
 - Order Management
- Pal Communicator:
 - Automatic data transfer when device docked to PC
 - Automatic import into Excel, Notepad or user specified system
- Powerful tool for Partners and End Users:
 - Ready to demonstrate
 - Easy to localize and configure

Development



- Datalogic Windows SDK:
 - C++
 - .NET
 - Java Virtual Machine
- MCL-Collection™
- Wavelink Studio®



Terminal Emulation and Voice-Picking



- Wavelink Terminal Emulation:
 - Pre-licensed
- Wavelink Industrial Browser™
- Wavelink Velocity
- Wavelink Speakeasy™:
 - Voice picking applications
 - Voice enabled terminal emulation



Zello - Enterprise Push to Talk (PTT) Solution

- Secure, reliable and easy to use
- Supports Datalogic CE and WEHH devices
 - Plus Android, iOS, Windows PC clients
- Manage users, channels, and settings via browser
- Advanced encryption for secure communications
- Communication over any Wi-Fi or data plan
 - Image transfers
 - Recording option for accountability
- Headset Support – Bluetooth® and Wired
- 1 to 1 (private) and 1 to many
- Configurable dedicated talk key



Any device, any network...
Free for 5 users



Deploy and Manage



- Customize and Upgrade:
 - Datalogic Desktop Utility (DDU)
 - Datalogic Configuration Utility (DCU)
 - Datalogic Firmware Utility (DFU)
- Device Management:
 - Avalanche MDM pre-licensed!
- Troubleshoot:
 - Avalanche Remote Control™
- Secure:
 - Wavelink SecurePlus
 - Wavelink Certificate Manager
 - Datalogic Locked Web Browser

Markets and Applications

Retail



- Typical Requirements:
 - 1D Linear or 2D bar code scanning
 - Secure wireless communications
- Applications:
 - Pricing, replenishment, inventory
- Where:
 - Backroom and store showroom
- **Winning Features:**
 - Radio with PCI compliant encryption levels
 - Dual band radio for clear channel selection
 - Laser or Imager scan engines
 - 'Green Spot' good-read feedback

Manufacturing



- Typical Requirements:
 - 1D bar code scanning
 - Real-time communications
 - Withstand abuse and harsh environments
- Applications:
 - Inventory, line replenishment
- Where:
 - Manufacturing line, yard, warehouse
- **Winning Features:**
 - Rugged form factor
 - 'Green Spot' good-read feedback
 - Full-shift battery
 - Wavelink Terminal Emulation (pre-licensed)






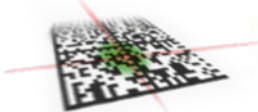
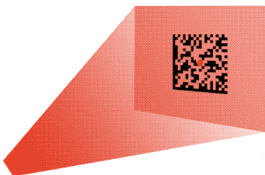






Transportation & Logistics



- Typical Requirements:
 - 1D bar code scanning
 - Wireless roaming
- Applications:
 - Receiving, shipping, cross docking, staging, inventory, document damaged goods
- Where:
 - Warehouse and Distribution Centers
- **Winning Features:**
 - Large key, numeric keyboard
 - Industrial ruggedness ratings
 - 'Green Spot' good-read feedback
 - Wavelink Terminal Emulation (pre-licensed)
 - Auto Range (XLR) Laser and Extra Long Range (2D XLR) Imager

Falcon X3+ Models and Accessories

Falcon X3+ Model Options

Form	Keyboard	Scan Engine	Operating System
Handheld 	Numeric 29-Key  Alphanumeric 52-Key 	High Performance Laser (HPL)  Auto Range Laser (XLR)  2D Standard Range Area Imager (SR)  2D Extra Long Range Area Imager (XLR) 	Windows CE 6.0 Professional  Windows Embedded Handheld 6.5 
Pistol Grip 	Functional Numeric F1-F12  Functional Alphanumeric F1-F24 		Camera  On Back of Unit (WEHH Only)

Accessories – Docks

Note: All existing Falcon X3 accessories are fully compatible with Falcon X3+ models.



94A150057

- Single Slot Dock w/ Spare Battery Charging Slot



94A150056

- Multi-Ethernet Dock Charges 4 Terminals and 4 Batteries



94A151131

- Vehicle Dock

Accessories – Battery Chargers

Note: All existing Falcon X3 accessories are fully compatible with Falcon X3+ models.



94A151137

- Multi Battery Charger



94A151135

- Multi Charge Only. Dock Charges 4 Terminals and 4 Batteries

Accessories – Cases and Holsters

Note: All existing Falcon X3 accessories are fully compatible with Falcon X3+ models.



94ACC0047

- Standard Softcase with Quick Release Belt Clip



94ACC0063

- Heavy Duty Softcase with Shoulder Strap



94ACC0104

- Rubber Boot

Accessories – Miscellaneous

Note: All existing Falcon X3 accessories are fully compatible with Falcon X3+ models.



94ACC1390

- Handle with Mounting Screws



94ACC0079

- Module, Ethernet Communication for Single Slot Dock

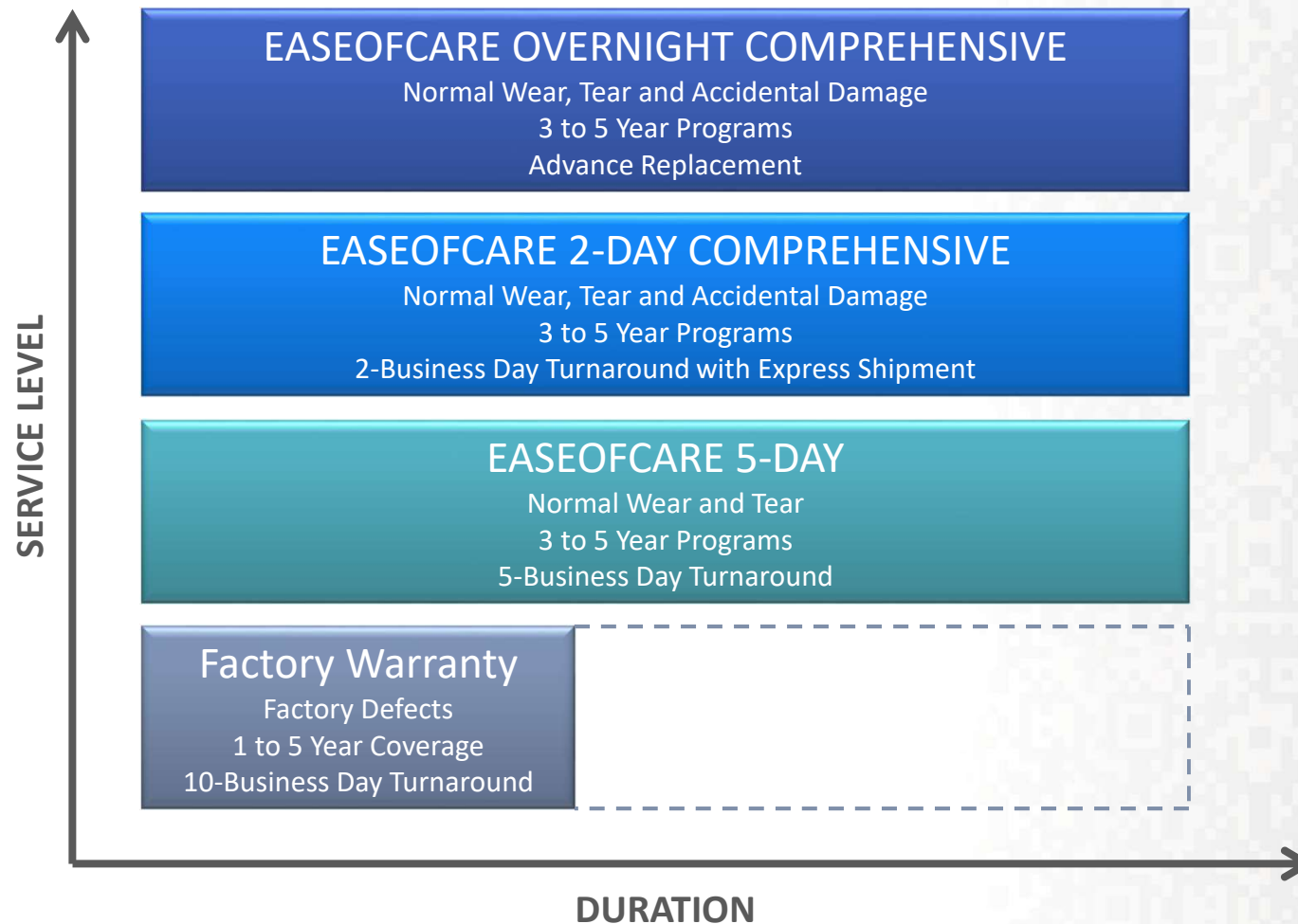


94ACC1372

- Module, Modem Communication for Single Slot Dock

Service & Support

EASEOFCARE Support Programs



Thank You!

This presentation contains statements that are neither reported financial results nor other historical information. These statements are forward-looking statements. These forward-looking statements rely on a number of assumptions and are subject to a number of risks and uncertainties, many of which are outside the control of Datalogic S.p.A., that could cause actual results to differ materially from those expressed in or implied by such statements, such as future market conditions, currency fluctuations, the behavior of other market participants and the actions of governmental and state regulators

© 2014-2015 Datalogic S.p.A. - All rights reserved. · Protected to the fullest extent under U.S. and international laws. · Copying, or altering of this document is prohibited without express written consent from Datalogic S.p.A. Datalogic and the Datalogic logo are registered trademarks of Datalogic S.p.A. in many countries, including the U.S.A. and the E.U. All other brand and product names may be trademarks of their respective owners.



SP-FALCONX3PLUS-EN Revision B 20150619

Datalogic ADC, Inc.
959 Terry Street
Eugene, Oregon USA

Tel. +1 541 683-5700
Toll Free in the US: 1 800 695-5700
Fax +1 541 345-7140