Falcon™ X4 Mobile Computer

Legendary Falcon - Great New Performance!

- Same highly successful form factor:
  - Best in class ergonomics
  - 10% lighter than its main competitors
  - Datalogic elegant design satisfies different environments
- New state-of-the-art architecture
  - Provides more power and performance for your applications
  - Windows WEC7 and Android™ to drive the recent Enterprise trends

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Compatible with Existing Accessories

- Fully compatible with all Falcon X3+ accessories
- Leverages the existing installed base of Falcon X3+ mobile computers
- Protects the customers' investment

Single Slot Dock

Ethernet/Modem Modules

Handle

Belt Holster

Vehicle Dock

4-Slot Dock Charger

Multi-Battery Charger

Heavy Duty Softcase

Rubber Boot

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The Evolution of the Falcon

- Originally launched in 2004 as Falcon 4400

- Multiple refreshes with steady improvements in performance, features and the latest technologies

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
CE 6.0

2014:
Falcon X3+

2018:
Falcon X4
WEC7 and
Android

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Falcon X4: Overview

Target Applications: Back Office and Logistics

- Form Factor:
  - Hand Held or Pistol Grip
- Operating Systems Available:
  - Windows WEC7 and Android 4.4
- Display:
  - 3.5 inch QVGA; Multi-touch
- Environmental:
  - Drop spec: 1.8 m / 6.0 ft onto concrete
  - -20 to 50° C / -4 to 122 °F
  - Particulate and Water Sealing: IP65
- Processor:
  - TI OMAP Dual Core, 1GHz
- Memory:
  - 1GB RAM, 8GB Flash

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Falcon X4: Overview

Target Applications: Back Office and Logistics

- Reading Performance
  - Datalogic 1D/2D Imager
  - Datalogic's 'Green Spot' technology for good-read feedback
- Wi-Fi
  - 802.11a/b/g/n (2.4 and 5 GHz), MIMO, CCX v4 compliant
- WPAN
  - *Bluetooth*® wireless technology 4.0 with wideband audio
- Battery
  - 5,200 mAhr; hot swappable
- Voice
  - HD voice support via *Bluetooth* headset
- **Accessories**
  - Fully compatible with all Falcon X3+ accessories

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Falcon X4 vs. Falcon X3+ Comparison

Feature Comparison	Falcon X3+	Falcon X4
Operating System	WinCE 6.0, WEHH 6.5	WEC7, Android 4.4
Reading Technology	Laser 2D Area Imager 2D XLR Imager	1D High Perf Linear Imager 2D White Illum with DPM 2D XLR Imager (coming soon!)
Superior Wi-Fi	802.11 a/b/g/n with CCXv4	802.11 a/b/g/n with MIMO and CCX v4
Audio	No Wideband audio	Wideband Speech Support (Android)
State-of-the-art *Bluetooth* Technology	*Bluetooth* 2.1 with EDR	*Bluetooth* 4.0 with BLE (Android)
Improved Performance	806 MHz CPU 256 MB RAM, 1 GB Flash	OMAP4 @ 1 GHz CPU 1 GB RAM, 8 GB Flash
Protection of Investment		Fully compatible with all Falcon X3+ docks and accessories

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Main Features

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New High Performance 1D Imager:
Green is the new Red!

- Innovative **Green** laser-like scan line

- Out performs Laser reading with the safety of an Imager!

- Decodes high resolution codes down to 2.5 mils

- Decodes **on-screen bar codes**

   (e.g. Smartphones, etc.)

1 234567 890128 >

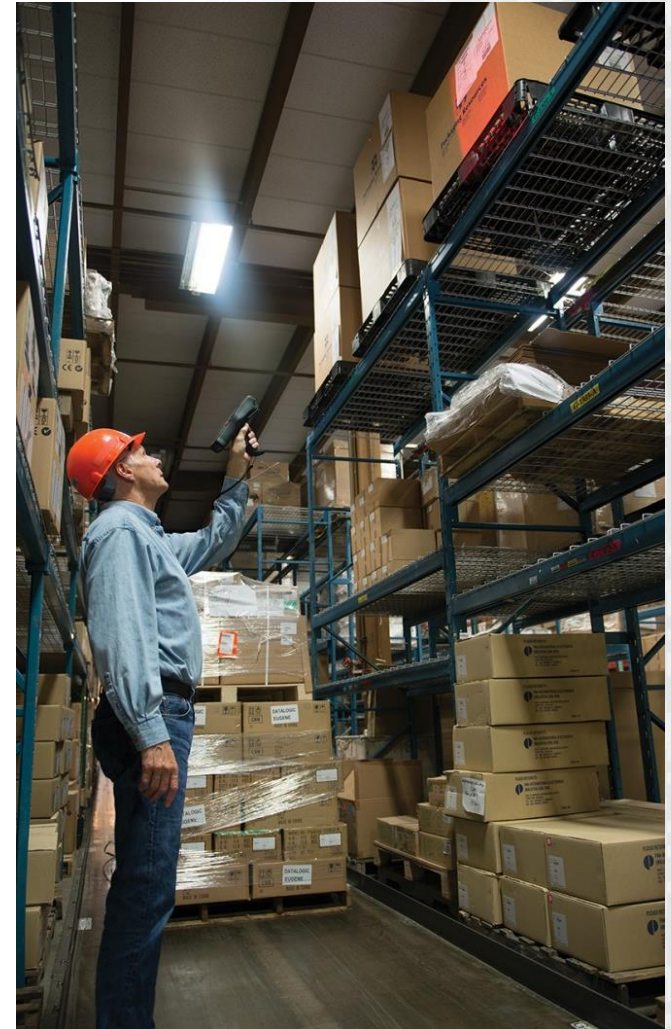**DATALOGIC**
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White Illumination 2D Imager

- New technology with highly visible white-illumination
  - Addresses a wide range of applications, from high density bar codes to the standard range distances
  - Aiming is fast and simple using 4 dots to indicate the scanning area
  - White illumination is easier on the human eyes and reads colored labels better
  - Megapixel performance for superior scanning and depth of field with Datalogic decoding libraries
  - Capable of reading Direct Part Marking (DPM)

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Extra Long Range Imager (2D XLR)

- Near/far extra long range 2D Imager up to 14 m / 46 ft

- Provides the superior performance of Datalogic technology

COMING SOON!

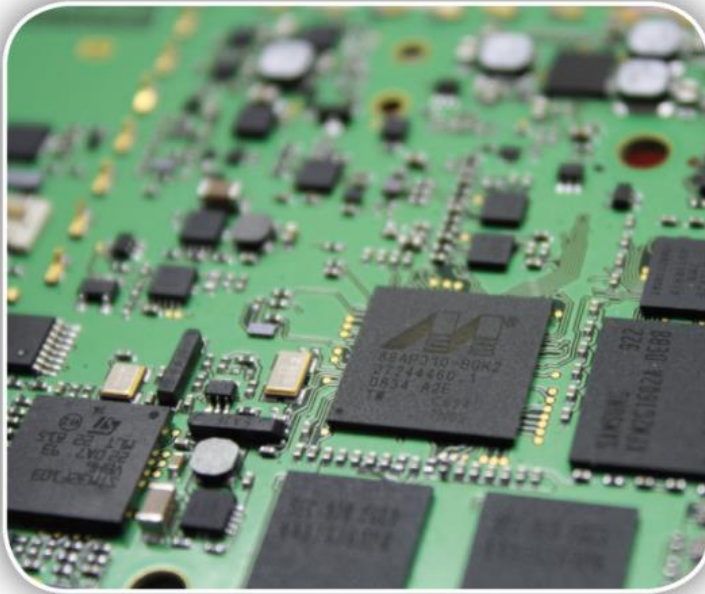**◆DATALOGIC**
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Datalogic's 'Green Spot' Technology

- 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, libraries and government buildings

GREEN SPOT

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OMAP4 Platform

- State-of-the-art platform for PDTs; multicore performance

- Supports both legacy Windows (WEC7) and Android v4.4

- Enables smooth transition from Windows to Android

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Exceptional Computing Power

- **2.7 times faster CPU than the previous X3+!**
    - **7.6 times faster memory (read/writes)**

- TI OMAP 1GHz Dual Core processor with dedicated GPU
    - Most widely used chipset in rugged industry
    - Support for WEC7 and Android 4.4 in the same product

- 1 GB RAM / 8 GB Flash memory

- MicroSD with high capacity up to 32 GB

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Wireless Communications

- Wi-Fi
  - IEEE 802.11 a/b/g/n from Texas Instruments
  - 2.4 GHz and 5 GHz frequency bands
  - Superior coverage and throughput with MIMO antenna technology
  - CCX v4 compliant
  - WPA/WPA2 encryption

- *Bluetooth* Wireless Technology 4.0
  - Supports *Bluetooth* Low Energy (BLE) (Android only)
  - V2.1 + EDR for WEC7

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Heavy Duty Ruggedness

- 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
- IP65 water and particulate sealing for indoor and outdoor operations
- Operating temperature range from -20 to 50 °C / -4 to 122 °F
- Corning® Gorilla® Glass 3 hardened scan window
  - Ensures no scratches for durable reading performance
- Polycarbonate backlit keys with snap actuation tested to 5M cycles

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Additional Features

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Outstanding Autonomy!

- Single Piece Li-Ion rechargeable Battery Pack

- Superior capacity 5,200 mAh, support full shifts for scan intensive applications

- Hot swap functionality for continuous operation

- Guaranteed ergonomics and comfort when handling the mobile computer

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Ergonomics

- Contoured shape reduces fatigue

- Handheld or pistol grip form factors

  - Attachable handle (can be added after the initial purchase)

  - Pistol grip arched for comfort with ergonomic trigger for intensive or long periods of scanning

- Crystal clear touch display for daylight readability

- New/improved handstrap design

- Functional LED indicators

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WEC7 Keyboard Layouts

52-key Alphanumeric

29-key Numeric

29-key Functional

- Maximized keys with backlight

- Layout:
  - Discrete navigation
  - Numeric phone layout
  - Colored delineation
  - TE Overlay

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Android Keyboard Layouts

**52-key
Alphanumeric**

**29-key
Numeric**

**29-key
Functional**

- Maximized keys with backlight

- Layout:
  - Discrete navigation
  - Numeric phone layout
  - Colored delineation
  - TE Overlay

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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

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Software

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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 software

- Powerful tool for Partners and End Users:
  - Ready to demonstrate
  - Easy to localize and configure

- WEC7 models only

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Development

- WEC7: compatibility with previous Win CE apps

- Datalogic Windows SDK
  - C++ / C#
  - .NET

- Datalogic Android SDK
  - Android Studio and Eclipse support
  - Publicly shared on GitHub portal: https://datalogic.github.io/
- New Datalogic Xamarin SDK!
  - Cross platform development

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Terminal Emulation and Voice-Picking

- WEC7:
    - Wavelink Terminal Emulation:
        - Pre-licensed for lower cost of ownership
    - Wavelink Speakeasy™ :
        - Voice picking applications
        - Voice enabled terminal emulation and browser

- Android:
    - Staylinked SmartTE
    - Wavelink Velocity

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Configure, Deploy and Manage (WEC7)

- **Configure and Update:**
  - Datalogic X-Platform Utility (DXU)
  - Scan2Deploy (scan to configure)
  - Over the Air (OTA) configuration

- **Device Management**
  - Lower cost of ownership with Wavelink Avalanche MDM pre-licensed!

- **Troubleshoot**
  - Wavelink Avalanche Remote Control™
  - DXU includes basic remote control

- **Device and Browser Lockdown:**
  - DDU Utility for device lockdown
  - SureFox locked browser pre-licensed!

42GEARS
Mobility Systems

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Configure, Deploy and Manage (Android)

- **Configure and update:**
  - Datalogic X-Platform Utility (DXU)
  - Scan2Deploy (scan to configure)
  - Over the Air (OTA) configuration

- **Device Management**
  - Wavelink Avalanche
  - Soti MobiControl
  - Airwatch (deal driven)
- **Device and Browser Lockdown:**
  - SureLock (device lockdown) pre-licensed!
  - SureFox locked browser pre-licensed!

42GEARS
Mobility Systems

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Zello - Enterprise Push to Talk (PTT)

- Secure, reliable and easy to use

- Certified for Datalogic devices

- 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 numerous users

- Configurable dedicated talk key

Any device, any network…
Free for 5 users

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Software Tools

Mobile Device Management	wavelink **Avalanche**	SOTI® **MobiControl**	airwatch™
Modern TE	StayLinked **SmartTE**	wavelink **Velocity**	
Application Development	X Xamarin	Android Studio	eclipse

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Target Industries and Key Selling Points

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Retail

- **Front-end:**
  - Price check
  - Shelf replenishment
  - Inventory

- **Back Office:**
  - Receiving
  - Inventory management

- **Warehouse:**
  - Picking and Put-away
  - Shipping & Receiving

- **Key Selling Points:**
  - New powerful platform: 2.7x CPU speed, 7.6x memory
  - Easy migration for Falcon installed base: accessory and application compatibility
  - WEC7 and Android on the same hardware
  - Superior Wi-Fi: a/b/g/n radio with MIMO technology
  - Datalogic 1D and 2D scan engines with 'Green Spot' technology for good-read feedback

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Transportation & Logistics

- **Target Applications:**
  - Picking and Packing
  - Shipping and Receiving
  - Track and Trace
  - Sortation

- **Key Selling Points:**
  - Large key, numeric keyboard
  - Industrial ruggedness ratings
  - New powerful platform, 2.7x CPU speed and 7.6x memory
  - Easy migration for Falcon installed base: accessory and application compatibility
  - WEC7 and Android on the same hardware
  - Superior Wi-Fi: a/b/g/n radio with MIMO technology
  - Datalogic 1D and 2D scan engines with 'Green Spot' technology for good-read feedback
  - Wavelink Terminal Emulation pre-licensed

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Manufacturing

- **Shop Floor:**
  - Work in progress
  - Quality control

- **Warehouse:**
  - Picking and Put-away
  - Shipping and Receiving

- **Key Selling Points:**
  - Rugged form factor
  - Full-shift hot swappable battery
  - New powerful platform, 2.7x CPU speed, 7.6x memory
  - Easy migration for Falcon installed base: accessory and application compatibility
  - WEC7 and Android on the same hardware
  - Superior Wi-Fi: a/b/g/n radio with MIMO technology
  - Datalogic 1D and 2D scan engines with 'Green Spot' technology for good-read feedback
  - Wavelink Terminal Emulation pre-licensed

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Healthcare

- **Pharma:**
  - Production Control
  - Inventory Management

- **Warehouse:**
  - Picking and Put-away
  - Shipping and Receiving

- **Key Selling Points:**
  - Full-shift battery
  - New powerful platform, 2.7x CPU speed, 7.6x memory
  - Easy migration for Falcon installed base: accessory and application compatibility
  - WEC7 and Android on the same hardware
  - Superior Wi-Fi: a/b/g/n radio with MIMO technology
  - Datalogic 1D and 2D scan engines with 'Green Spot' technology for good-read feedback

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Options and Accessories

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Falcon X4 Model Options

Form	Keyboard	Scan Engine	Operating System
Handheld	Numeric 29-Key	1D Imager with Green Spot	WEC7
Pistol Grip	Alphanumeric 52-Key	2D MP Imager with Green Spot	Android 4.4
	Functional Numeric F1-F12	2D XLR Imager: coming soon!	

Accessories – Docks

Note: All accessories are fully compatible with previous Falcon X3+ family.

94A150057

- Single Slot Dock w/Spare Battery Charging Slot

94A150056

- Multi-Ethernet Dock Charges 4 Terminals and 4 Batteries

94A151131

- Vehicle Dock

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Accessories – Battery Chargers

Note: All accessories are fully compatible with previous Falcon X3+ family.

94A151137

- Multi Battery Charger

94A151135

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

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Accessories – Cases and Holsters

Note: All accessories are fully compatible with previous Falcon X3+ family.

94ACC0047

- Standard Softcase with Quick Release Belt Clip

94ACC0063

- Heavy Duty Softcase with Shoulder Strap

94ACC0104

- Rubber Boot

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Accessories – Miscellaneous

Note: *All accessories are fully compatible with previous Falcon X3+ family.*

94ACC1390

- Handle with Mounting Screws

94ACC0079

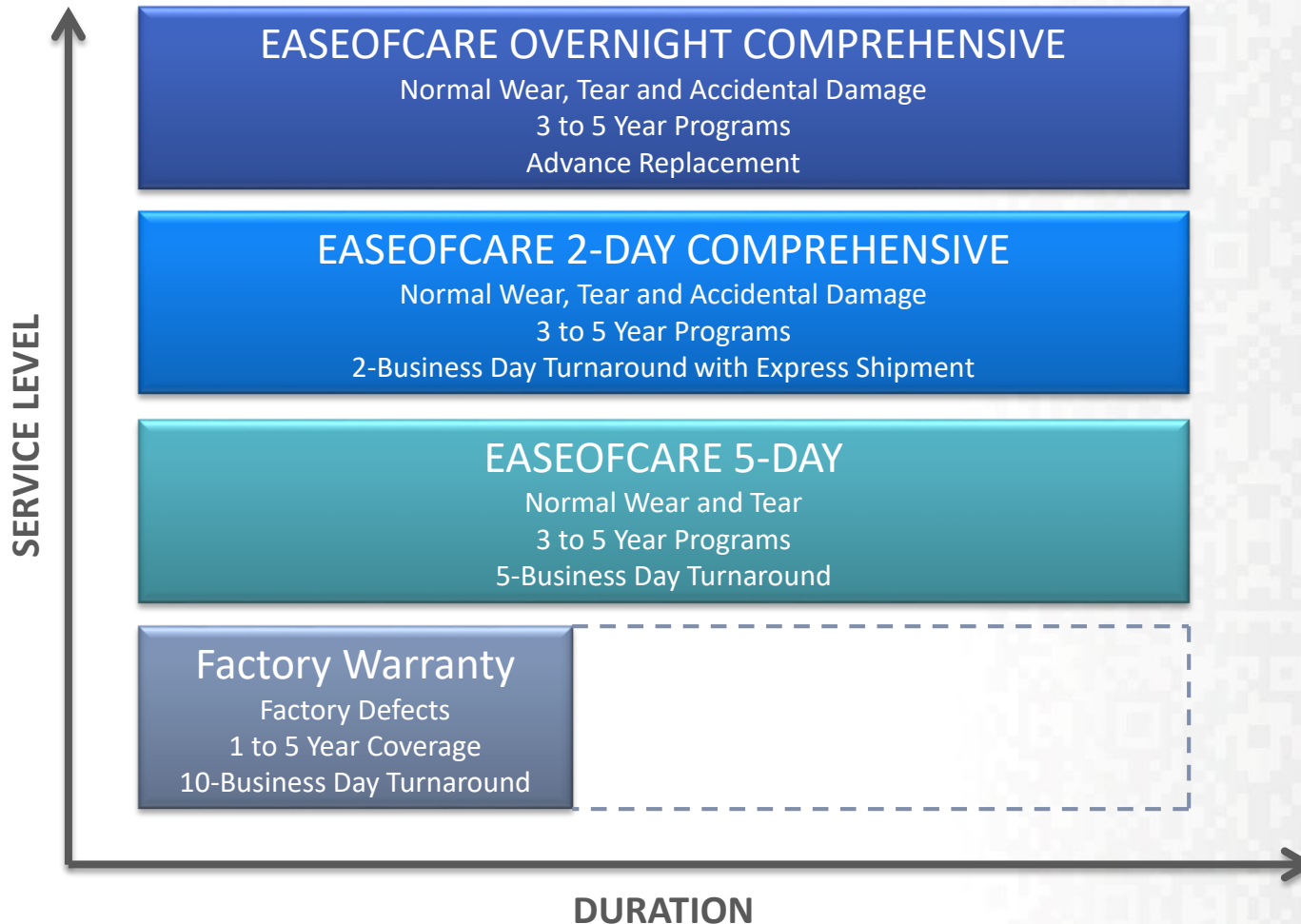- Module, Ethernet Communication for Single Slot Dock

94ACC1372

- Module, Modem Communication for Single Slot Dock

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Service and Support

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EASEOFCARE Support Programs

SERVICE LEVEL (vertical axis)

EASEOFCARE OVERNIGHT COMPREHENSIVE
Normal Wear, Tear and Accidental Damage
3 to 5 Year Programs
Advance Replacement

EASEOFCARE 2-DAY COMPREHENSIVE
Normal Wear, Tear and Accidental Damage
3 to 5 Year Programs
2-Business Day Turnaround with Express Shipment

EASEOFCARE 5-DAY
Normal Wear and Tear
3 to 5 Year Programs
5-Business Day Turnaround

Factory Warranty
Factory Defects
1 to 5 Year Coverage
10-Business Day Turnaround

DURATION

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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

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