Product Description

Product Bulletin: March 28, 2019
Product: Falcon™ X4 Auto Range
Expected General Availability: March 28, 2019
Expected Public Announcement: May 2, 2019

FALCON™ X4 AUTO RANGE MODELS
LOGISTICS AT TOP PERFORMANCE!

OVERVIEW

Datalogic is pleased to announce the availability of new 2D models for the Falcon™ X4 product line, embedding Auto Range scanning capability.

This has been made feasible by embedding the new 2D Near/Far Auto Range imager designed and developed by Datalogic.

A variety of markets, including verticals such as Retail, Manufacturing, Transport & Logistics and Healthcare, will benefit from the performance of this upgraded Falcon mobile computer, especially for warehousing applications requiring 1D/2D scanning at long range distances.

FEATURES AND BENEFITS

PRODUCT FEATURES	BENEFITS FOR CUSTOMER
NEW AUTO RANGE SCANNING CAPABILITY	New Falcon X4 Auto Range models embed the latest Datalogic near/far Auto Range 2D imager, able to scan up to 17 m / 55 ft providing superior performance for extended range applications.
CHOICE OF WINDOWS EMBEDDED OR ANDROID™ OPERATING SYSTEMS	The high performance multicore 1 GHz architecture of Falcon X4 runs Windows Embedded Compact applications with blazing speed while enabling an easy transition to the Android OS. Users will never run out of memory with the standard 1 GB RAM and 8 GB Flash.
OUTSTANDING USER INTERFACE	Equipped with a high-visibility 3.5 inch color touchscreen display, the Falcon X4 helps users work more efficiently both indoors and in outdoor sunlight. Three different keyboards are available for maximum efficiency: a 52-key alphanumeric keypad, a 29-key numeric keypad and a 29-key functional numeric keypad.

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Product Description

PRODUCT FEATURES (CONT.)	BENEFITS FOR CUSTOMER
ERGONOMIC AND RELIABLE	The Falcon X4 mobile computer leverages a well-known and successful form factor, with best-in-class ergonomics (curved shape, 10% lighter than main competitors) and Datalogic's elegant design satisfying different environments and reducing operator fatigue. The pistol grip form factor is arched for comfort with an ergonomic trigger for intensive or long periods of scanning. At the same time, Falcon X4 robustness can withstand the harshest environments, being tested and certified against repeated drops to concrete, real world tumbles, water and dust sealing, and extreme temperatures.
COMMUNICATION TECHNOLOGIES	The Falcon X4 mobile computer offers a variety of technologies to communicate, starting with a superior 802.11a/b/g/n Wi-Fi with CCX v4 compliance and MIMO technology for improved connectivity and coverage. Bluetooth® wireless technology v4 provides support for the new low energy mode (BLE) and for improved voice recognition via wide band audio (Android™ only). It also offers wired standards including USB Hi-Speed, RS-232, Modem and Ethernet.
LEVERAGES EXISTING FALCON ACCESSORIES	The Falcon X4 mobile computer has full compatibility with all the Falcon X3+ accessories.

TARGET INDUSTRY APPLICATIONS

- **Warehousing/Logistics:** Inventory Management, Shipping/Receiving, Ordering, Put-away, Cycle Counting
- **Manufacturing:** Traceability, Intra-logistics
- **Retail**: Shop Floor Applications, backend receiving, warehouse
- **Healthcare**: Hospital logistics

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Product Description

PRODUCT INFORMATION ~ AMERICAS' MODELS

PART NUMBER	DESCRIPTION	AVAILABILITY
WINDOWS WEC7		
945550029	Falcon X4 Pistol grip, 802.11 a/b/g/n MIMO CCX v4, Bluetooth v2.1, 1GB RAM/8GB Flash, 29-Key Numeric, Auto Range 2D Imager, Windows Embedded Compact 7, FCC	March 28, 2019
945550028	Falcon X4 Pistol grip, 802.11 a/b/g/n MIMO CCX v4, Bluetooth v2.1, 1GB RAM/8GB Flash, 52-Key Alpha Numeric, Auto Range 2D Imager, Windows Embedded Compact 7, FCC	March 28, 2019
945550031	Falcon X4 Pistol grip, 802.11 a/b/g/n MIMO CCX v4, Bluetooth v2.1, 1GB RAM/8GB Flash, 29-Key Functional Numeric F1-F12, Auto Range 2D Imager, Windows Embedded Compact 7, FCC	March 28, 2019
ANDROID 4.4		
945550035	Falcon X4 Pistol Grip, 802.11 a/b/g/n MIMO CCX v4, Bluetooth v2.1, 1GB RAM/8GB Flash, 29-Key Numeric, Auto Range 2D Imager, Android 4.4, FCC	March 28, 2019
945550034	Falcon X4 Pistol Grip, 802.11 a/b/g/n MIMO CCX v4, Bluetooth v2.1, 1GB RAM/8GB Flash, 52-Key Alpha Numeric, Auto Range 2D Imager, Android 4.4, FCC	March 28, 2019
945550037	Falcon X4 Pistol Grip, 802.11 a/b/g/n MIMO CCX v4, Bluetooth v2.1, 1GB RAM/8GB Flash, 29-Key Functional Numeric F1-F12, Auto Range 2D Imager, Android 4.4, FCC	March 28, 2019

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Product Description

PRODUCT INFORMATION ~ EUROPE and ROW MODELS

PART NUMBER	DESCRIPTION	AVAILABILITY
WINDOWS WEC7		
945550027	Falcon X4 Pistol grip, 802.11 a/b/g/n MIMO CCX v4, Bluetooth v2.1, 1GB RAM/8GB Flash, 29-Key Numeric, Auto Range 2D Imager, Windows Embedded Compact 7, EU	March 28, 2019
945550026	Falcon X4 Pistol grip, 802.11 a/b/g/n MIMO CCX v4, Bluetooth v2.1, 1GB RAM/8GB Flash, 52-Key Alpha Numeric, Auto Range 2D Imager, Windows Embedded Compact 7, EU	March 28, 2019
945550030	Falcon X4 Pistol grip, 802.11 a/b/g/n MIMO CCX v4, Bluetooth v2.1, 1GB RAM/8GB Flash, 29-Key Functional Numeric F1-F12, Auto Range 2D Imager, Windows Embedded Compact 7, EU	March 28, 2019
ANDROID 4.4		
945550033	Falcon X4 Pistol Grip, 802.11 a/b/g/n MIMO CCX v4, Bluetooth v2.1, 1GB RAM/8GB Flash, 29-Key Numeric, Auto Range 2D Imager, Android 4.4, EU	March 28, 2019
945550032	Falcon X4 Pistol Grip, 802.11 a/b/g/n MIMO CCX v4, Bluetooth v2.1, 1GB RAM/8GB Flash, 52-Key Alpha Numeric, Auto Range 2D Imager, Android 4.4, EU	March 28, 2019
945550036	Falcon X4 Pistol Grip, 802.11 a/b/g/n MIMO CCX v4, Bluetooth v2.1, 1GB RAM/8GB Flash, 29-Key Functional Numeric F1-F12, Auto Range 2D Imager, Android 4.4, EU	March 28, 2019

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Product Description

EASEOFCARE CONTRACTS ~ FALCON X4 MOBILE COMPUTER

PART NUMBER	DESCRIPTION	AVAILABILITY
ZSN5FALX431	FALCON X4 EOC, 5 DAYS, 3 YEARS	Currently Available
ZSN5FALX451	FALCON X4 EOC, 5 DAYS, 5 YEARS	Currently Available
ZSN5FALX4R1	FALCON X4 EOC, 5 DAYS, RENEWAL	Currently Available
ZSC2FALX431	FALCON X4 EOC, 2 DAYS, COMP, 3 YEARS	Currently Available
ZSC2FALX451	FALCON X4 EOC, 2 DAYS, COMP, 5 YEARS	Currently Available
ZSC2FALX4R1	FALCON X4 EOC, 2 DAYS, COMP, RENEWAL	Currently Available
ZSC2FALX43B	FALCON X4 EOC, 2 DAYS, CMP, BATT, 3 YRS	Currently Available
ZSC2FALX45B	FALCON X4 EOC, 2 DAYS, CMP, BATT, 5 YRS	Currently Available
ZSC2FALX4RB	FALCON X4 EOC, 2 DAYS, CMP, BATT, RENEW	Currently Available
ZSC1FALX431	FALCON X4 EOC, OVERNIGHT, COMP, 3 YEARS	Currently Available
ZSC1FALX451	FALCON X4 EOC, OVERNIGHT, COMP, 5 YEARS	Currently Available
ZSC1FALX4R1	FALCON X4 EOC, OVERNIGHT, COMP, RENEWAL	Currently Available

WHAT'S IN THE BOX – (DEVICE)

- Falcon X4 mobile computer
- Rechargeable battery pack
- Terminal emulation overlay
- Hand-strap (hand held models only)
- Lanyard (for pistol grip models only)
- Quick Start Guide
- Safety and Regulatory Addendum
- Wavelink Avalanche Insert (WEC7 models only)
- Wavelink Terminal Emulation insert (WEC7 models only)
- End User License Agreement (EULA) Sheet

GEOGRAPHICAL AVAILABILITY

The Falcon X4 Auto Range models will be immediately available in all the countries/regions where the Falcon X4 mobile computer is certified and sold today:

- EU
- USA and Canada
- Australia and New Zealand
- Russia
- MEA: Turkey, UAE, Saudi Arabia, Qatar
- LA: Brazil, Mexico, Panama, Colombia, Costa Rica, Argentina, Chile
- China
- SEA: Malaysia, Indonesia, Thailand, Vietnam, Singapore, Philippines
- India
- Taiwan
- Japan

Please contact the Product Marketing Manager for other country requests and availability date.

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COMPETITIVE ANALYSIS

FEATURE	Datalogic Falcon X4	Zebra MC9200	Honeywell CK75
Size	Hand held: 225 x 88 x 55 mm (168 mm with pistol grip) / 8.9 x 3.5 x 2.2 in. (6.6 in with pistol grip)	231 x 193 x 91 mm / 9.1 x 7.6 x 3.6 in	237 x 80 x 50 mm / 9.3 in x 3.2 in x 2.0 in
Weight	Hand held: 608 g / 21.4 oz Pistol grip: 674 g / 23.8 oz	765 g / 27 oz	584 g / 20.6 oz
Display and Touchscreen	3.5 inch QVGA, TFT, LED backlight and integrated touchscreen	3.7 inch VGA, LED backlight and integrated touchscreen	3.5 inch VGA, LED backlight and integrated touchscreen
Architecture	TI OMAP4 @1 GHz, 1 GB RAM, 8 GB Flash	OMAP4 @800MHz (Std) or 1GHz (Premium), 512 MB RAM/2 GB Flash (Std) 1 GB RAM/4 GB Flash (Premium)	TI OMAP4 @1.5 GHz
Wireless Connectivity	802.11 a/b/g/n with MIMO antennas and CCX v4	802.11a/b/g/n - r/k (Android only) CCX v4	802.11 a/b/g/n
Drop Spec / IP	1.8 m / 5.9 ft; IP65	1.8 m / 5.9 ft (2.4 m / 7.8 ft at room temp); IP64	1.8 m / 5.9 ft (2.4 m / 7.8 ft at room temp); IP67
Battery	5,200 mAh Li-Ion standard, one piece, hot swappable	2,600 mAh Li-Ion standard, one piece, hot swappable	5,200 mAh Li-Ion standard, one piece, hot swappable
Operating System	Microsoft Windows Embedded Compact 7 (WEC7) or Android v4.4	Windows Embedded Compact 7.0 (Standard or Premium) or Android 4.4 (Premium)	Microsoft Windows Embedded Handheld 6.5 or Android 6
Scanning Options	1D Green laser-like linear imager 2D White Illumination Imager 2D Auto Range Imager	1D std range laser 1D long range laser 2D std range imager 2D auto range imager 2D mid range imager	2D std range imager 2D auto range imager
Form Factors	Hand held and Pistol grip, Interchangeable, with 3 keyboard layouts	Hand held and Pistol grip, with 3 keyboard layouts	Hand held and Pistol grip, with 2 keyboard layouts

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FOR MORE INFORMATION

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