# FALCON™ X4

### DATALOGIC



#### CHOICE OF WINDOWS EMBEDDED OR ANDROID™ OPERATING SYSTEMS

Legendary Falcon with upgraded performance! The Falcon™ X4 mobile computer features a high performance multicore 1 GHz architecture that offers blazing speed when running Windows Embedded Compact OS and allows easy upgradeability to the Android™ OS. Users will never run out of memory with the standard 1 GB RAM and 8 GB Flash.

### REAL-TIME DATA CAPTURE AND COMMUNICATIONS

Capture bar codes using Datalogic 1D and 2D imaging technologies. Communicate over a superior TI 802.11 a/b/g/n radio with CCX v4 compliance and MIMO technology for improved connectivity and coverage, or through wired standards including USB Hi-Speed, RS-232, Modem and Ethernet. *Bluetooth*® wireless technology v4 provides support for the new low energy mode (BLE) and for improved voice recognition via wide band audio.

#### **ERGONOMIC AND RUGGED**

Users feel the full shift difference of ergonomic handheld and pistol grip form factors to balance a 3.5 inch crystal clear display, full numeric or alphanumeric back-lit keyboards, and a one piece 5,200 mAh battery. With the best ergonomics in this market segment, the Falcon X4 mobile computer reduces operator fatigue with no compromise in terms of reliability and robustness, resisting harsh environments, repeated drops, strong shocks and repetitive tumbles.

#### **EASY AND INTUITIVE**

Develop custom solutions using the industry-leading Datalogic Software Development Kit (SDK). Deploy quickly with the included Datalogic utilities or your preferred device management solution. Manage your installed devices using the pre-licensed Wavelink Avalanche or leverage the pre-licensed Wavelink Terminal Emulation (WEC7 only).





#### FEATURES

- Full-shift hot swappable battery
- 3.5 inch touchscreen display
- Ruggedized with 1.8 m / 6.0 ft drop to concrete and IP65 sealing rating
- Choice of 1D or 2D imagers featuring Datalogic's patented 'Green Spot' technology for good-read feedback
- Extra Long Range 2D Imager option (coming soon)
- Choice of Microsoft Windows Embedded Compact 7 or Android v4.4
- TI 802.11 a/b/g/n radio with CCX v4 compliance and featuring MIMO antenna technology
- 1 GB RAM / 8 GB Flash memory
- Bluetooth wireless technology v4.0 with BLE (low energy) and Wide Band Audio for improved speech recognition (Android models only)
- Corning® Gorilla® Glass 3 scan window
   WEC7 units include:

   Wavelink® Avalanche™ and Terminal Emulation pre-installed and pre-licensed;
- Pal pre-installed and pre-licensed

  Upgradable to Android 4.4
- Attachable handle (and orderable pre-installed)
- EASEOFCARE Service Plans offer a wide range
   of corvice antions to protect your investment
- 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 SalesProduction Control

# FALCON<sup>™</sup> X4

### **OIDOJATACO**

CAL AREA NETWORK (WLAN) RSONAL AREA NETWORK (WPAN)			2D IMAGER	(STANDARD RANGE)	Megapixel sensor for ex	tended range:
	TI Wi-Link 8, IEEE 802.11a/b/g/n; Frequency Range: Country dependent, typically 2.4 and 5 GHz; Cisco CCX v4 compliant <i>Bluetooth</i> wireless technology v4 with BLE (Android models); <i>Bluetooth</i> v2.1 + EDR (WEC7 models)		2D IMAGER (STANDARD RANGE)		Megapixel sensor for extended range; White LED Illumination Optical Resolution: 1D codes: 3 mils; 2D codes: 6.6 mils Depth of Field (typical): 4.5 to 74 cm / 1.7 to 29.1 in (13 mil/EAN), depending on bar code	
CODING CAPABILITY	Didelooth vz.1 + LDR (WLC7 models)				density and type	0
	Auto discriminates all standard 1D cod		1D IMAGER		2500 pixel sensor; Sharı Optical Resolution: 2.5 r	
/ LINEAR CODES	including GS1 DataBar™ linear codes. Aztec Code, Data Matrix, MaxiCode, PDF417, MicroPDF417, Micro QR Code, QR Code CODES Australian Post, Japanese Post, KIX Code, Royal Mail, USPS Intelligent Mail, USPS PLANET, USPS, Postnet D CODES GS1 Composite Codes UPC/EAN/JAN Composites, GS1 DataBar Composites and				Depth of Field: 4.0 to 74 cm / 1.5 to 29.1 in (13 mil/EAN), depending on bar code density and type Coming soon All scan engines feature Corning® Gorilla® Glass 3 scan window	
DSTAL CODES			EXTRA LONG RANGE IMAGER (2D XLR) SCAN WINDOW			
ACKED CODES			SOFTWARE			
ECTDICAL	GS I-128 Composite					
ITERY	Removable battery pack with rechargeable Li-ion batteries; 3.7 V 5200 mAh (19.2 Watt hours)				42 Gears SureLock pre-licensed (web/ only), 50TI MobiControl (optional), Datalogic xPlatform Utility (DXU) pre-licensed,	
IVIRONMENTAL					Datalogic Desktop Utility	(DDU) pre-licensed fo
ROP RESISTANCE	Withstands drops from 1.8 m / 6.0 ft onto concrete follow IEC68-2-32 (Method 1) and 1500 random drops from 1.0 m / 3.2 ft follow		DEVELOPMENT		device lockdown (WEC7 only) WEC7: Datalogic Windows SDK™ Android: Datalogic Android SDK, Xamarin SDK SureFox locked web browser pre-licensed for	
	EC68-2-32 (Method 2)				WEC7 and Android mode	ls
EMPERATURE Operating: -20 to 50 °C /-4 to 1		°F		EMULATION	Wavelink® Terminal Emulation™ pre-licensed ( WEC7 models only); StayLinked SmartTE (for Android);	
TERFACES					Wavelink Velocity (for An	droid)
TERFACES	Main connector with USB 2.0 High Speed Host (480 Mbps) and Client, RS-232 up to 115.2 Kbps; Ethernet or Modem: via single-slot dock (external module)		SYSTEM			
			AUDIO		Wideband Speech (HD Audio) supported on Android Micro Secure Digital slot (SDHC) up to 32 GB,	
IYSICAL CHARACTERISTICS			EXPANSION	JLUI J	user-accessible	,эрнс) ир to эх ав,
IDIO MENSIONS	Integrated microphone, high-volume speaker 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 Reflective TFT daylight readable color display, 240 x 320 pixels, 8.9 cm / 3.5 in diagonal,		MICROPROCESSOR MEMORY REAL-TIME CLOCK OPERATING SYSTEM		TI OMAP4 @ 1 GHz RAM Memory: 1 GB Flash Memory: 8 GB (partially used for firmwar and reserved data) Time and date stamping under software contr Microsoft Windows Embedded Compact 7 (WEC7) or Android v4.4*	
5PLAY						
YBOARD		th .	*05			
	backlight; 29-key numeric, 29-key functional numeric or 52-key alphanumeric with discrete navigation Hand held: 602.0 g / 21.2 oz Pistol grip: 668.0 g / 23.6 oz		Falcon X4 configurations. The OS swap must be performed at a Datalogic Service Center.			
EIGHT					1-Year Factory Warranty	
FETY AND REGULATORY			г			
ENCY APPROVALS	regulatory approvals for its intended u The Users Manual for this product can	use. 1 be		KUMA		oesser
IVIRONMENTAL COMPLIANCE SER CLASSIFICATION	Complies to EU RoHS VLD - Class 2 IEC/EN60825-1. Compliant with 21 CFR 1040.10 except for deviations pursuant to				11 901188-0	
D CLASSIFICATION	laser notice Number 50, dated June 24, Exempt Risk Group IEC/EN62471	H, ∠UU7.		Caution: Laser Radiation -	- do not stare into beam	
cks	Battery Charg		s Cases/Holsters			
44150057 - 9/ A150057		F		<b>UNDER</b>		
ingle Slot Dock Multi-Etherr				94A151135 Multi Charge Only Dock	<ul> <li>94ACC0104</li> <li>Rubber Boot</li> </ul>	<ul> <li>94ACC0047</li> <li>Standard Softcase</li> </ul>
	rios = 94A151131 = 9			Charges 4 terminals and		with Quick Release Belt Clip
	CKED CODES  CTRICAL  TERY  TERY  TRONMENTAL  PRESISTANCE  CTRICULATE AND WATER SEALING  PREATURE  CTREACES  CTRICAL CHARACTERISTICS  COD  ENSIONS  PLAY  /BOARD  GHT  FETY AND REGULATORY  ENCY APPROVALS  /IRONMENTAL COMPLIANCE  CTRICATION  CASSIFICATION  ANISODS7  rage State  ANISODS7  ANISODS7  ANISODS7  CASSAFACE  ANISODS7  CASSAFACE  ANISODS7  CASSAFACE  ANISODS7  CASSAFACE  ANISODS7  CASSAFACE  CASSAF	Mail, USPS Intelligent Mail, USP'S PLAM         Postnet         CKED CODES         GS1 Composite Codes UPC/EANI/JAN         Composites, GS1 DataBar Composites         GST-128 Composite         COMMENTAL         DP RESISTANCE         Withstands drops from 1.8 m / 6.0 ft, 1         concrete follow IEC68-2-32 (Method 2)         IPERATURE         OPREATURE         WIRONMENTAL         DP RESISTANCE         Withstands drops from 1.8 m / 6.0 ft, 1         concrete follow IEC68-2-32 (Method 2)         IPERATURE         OPERATURE         CREACES         Main connector with USB 2.0 High Spe (480 Mbps) and Client, RS-232 up to 1         CEL CHARACTERISTICS         DIO         IENSIONS         Handheld: 22.5 x 8.8 x 16.8 cm / 8.9 x         PLAY         Reflective TFT daylight readable color module         PISIO grip: 22.5 x 8.8 x 16.8 cm / 8.9 x         PLAY         Reflective TFT daylight readable color         POVcarbonate hard cap keyboards wi         backlight; 29-key numeric, 29-key funnumeric with navigation         numeric or 52-key alphanumeric with navigation         Handheld: 602.0 g / 21.2 oz         Pistol grip: 668.0 g / 23.6 oz	Arbit Codes Analy Lobes Analy LOBES Analy Composite Codes UPC/EAN/JAN Composites CST DataBar Composites and GST-128 Composite CKED CODES CKED CODES CKED CODES CRECKAL TTERY Removable battery pack with rechargeable Li-ion batteries; 3.7 V 5200 mAh (19.2 Watt hours) VIRONMENTAL DP RESISTANCE Withstands drops from 1.8 m / 6.0 ft onto concrete follow IEC68-2-32 (Method 1) and 1500 random drops from 1.0 m / 3.3 ft follow EC68-2-32 (Method 2) PERATURE Depending: -20 to 50 °C / -4 to 122 °F Storage: -30 to 70 °C / -22 to 158 °F ERFACES Main connector with USB 2.0 High Speed Host (480 Mbps) and Client, R5-232 up to 115.2 Kbps; Ethernet or Modem: via single-slot dock (external module) YSICAL CHARACTERISTICS NO Integrated microphone, high-volume speaker 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 x 4.8 y 0.5 cm / 3.5 in 2.6 in PLAY Pistol grip: 22.5 x 8.8 x 16.8 cm / 8.9 x 3.5 x 2.2 in; 6.4 x 4.0 cm / 2.5 x 1.6 in ta keyboard Pistol grip: 22.5 x 8.8 x 16.8 cm / 8.9 x 3.5 x 2.6 in PLAY Reflective TFT daylight readable color display, 240 x 320 pixels, 8.9 cm / 3.5 in diagonal, 65K colors, backlight, touchscreen Polycarbonate hard cap keyboards with backlight, 29-key numeric, 29-key functional numeric or 52-key alphanumeric with discrete navigation Hand held: 602.0 g / 21.2 oz Pistol grip: 66.0 g / 23.6 oz ETY AND REGULATORY NCY 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. Complete bLP RoHS VLD - Class 2 IEC/EN6025-1. Compliant with 21 CFR 1040.10 except for deviations pursuant to 1 aser notice Number 50, dated June 24, 2007. Exempt Risk Group IEC/EN62471 Automate and cap theraper. Automate is the transmale Multi-Effertment Dack Multi-Effertment Dack Multi-Effertment Dack Multi-Effertment Dack Multi-Effertment Dack Multi-Effertment Dack Multi-Effertment Dack Multi-Effertment Dack Multi	AUX CODES ADDATES ADDA	And LODES Add data Place Jepanese Post, Add Code, Public Section Without Composities and Generative Mail, USSP Entemption Mail, USSP Entemption, USSP Entemption Mail, USSP Entemption, USSP Ente	Mill LODES       Mill Leader PLOS, Laplance PLOS, NA CUE, PROME Mill Leader PLOS, Laplance PLOS, NA CUE, PROME Mill LEADER COMPOSITION       SCAN WINDOW       All scan engines feature (Giss 3 scan window         CKED CODES       CS3 Composite Codes UPC/EANVIAN Composite, SG3 Databas       SCAN WINDOW       All scan engines feature (Giss 3 scan window         CKED CODES       CS3 Composite Codes UPC/EANVIAN Composite, SG3 Databas       SCAN WINDOW       All scan engines feature (Giss 3 scan window         CKED CODES       CS3 Composite (S1 Composite, SG3 Databas       Composite, SG3 Databas       Mill scan engines feature (Giss 3 scan window         CKED CODES       CS3 Composite (S1 Composite, SG3 Databas       Composite (S1 Composite (S1 Composite, SG3 Databas       Composite

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