

# FALCON™ X60-X65



BUILT FOR HARD WORK, HEAVY INPUT & THE HIGHEST SHELVES



## BUILT TO TAKE THE HARDEST SHIFT

Engineered for the most demanding warehouse, logistics and outdoor environments, the Falcon X60/X65 is built to keep running no matter what. IP65/68 sealing, Corning® Gorilla® Glass Victus® and 2.8m drop resistance mean operators can focus on the job — not the device.

## SCAN ANYTHING. FROM ANYWHERE

Know instantly when a scan is good. Datalogic's patented Green Spot technology projects a visible confirmation directly onto the label, keeping eyes on the work and doubt out of the picture. Standard, Long Range and XLR imagers read barcodes up to 20 metres away, while the TrueAim™ two-stage trigger adds precision targeting and reduces misreads before they happen.

## VERSATILE DATA ENTRY, READY FOR ANY TASK

Three backlit keyboard layout options with large, well-spaced keys deliver fast, accurate input in any light — even with heavy gloves on. The field-detachable handle lets operators switch instantly between handheld and pistol grip without slowing down.

## CONNECTED TODAY. BUILT FOR TOMORROW

Stay connected across your entire operation — indoors or out. The Falcon X60/X65 handles fast data sync, seamless roaming and modern enterprise apps without missing a beat. Powered by Qualcomm® Dragonwing™ 4490 Octa-Core · 2.4 GHz with 5G and Wi-Fi 6E, and built for Android™ 15 enterprise with the long lifecycle your fleet depends on.

## ZERO DOWNTIME. ZERO COMPROMISE

The Falcon X60/X65 supports both contact and wireless charging — with wireless eliminating contact wear, debris build-up and pin charging maintenance. Full backward compatibility with Skorpio X5 docks and accessories means upgrading your devices doesn't mean replacing your infrastructure. Datalogic Connect add remote device management and insights, keeping your fleet visible, managed and in control.

### FALCON X60



Wi-fi 6/6E  
XLR Imager

### FALCON X65



Wi-fi 6/6E  
Cellular 5G  
XLR Imager

## FEATURES

- TrueAim™ two-stage trigger for precise targeting and fewer misreads
- XLR, Long Range and Standard 2D imagers with Green Spot™ visual scan confirmation — visible up to 10m on XLR
- 4.3" WVGA 600-nit display with Corning® Gorilla® Glass Victus® — clear visibility indoors and in sunlight
- Three backlit keyboard layouts (31, 41 and 53 keys) with large, well-spaced keys for use with or without gloves
- Field-detachable handle — fast switching between handheld and pistol grip
- Contact and wireless charging — eliminating contact wear, debris build-up and maintenance
- 7000mAh hot-swap battery for uninterrupted 24/7 operation
- IP65/68 rated, 2.4m drop-tested across full operating temperatures — built to take the daily grind
- Wi-Fi 6/6E, 5G and Bluetooth® 5.3 — fast, reliable connectivity in any environment
- Qualcomm® Dragonwing™ 4490 Octa-Core · 2.4 GHz processor, 8/128GB · Android™ 15 GMS — upgradeable to Android™ 19
- Datalogic Connect cloud platform for remote device management and fleet insights — compatible with all major MDM, EMM and TE solutions
- EASEOFCARE service plans with Datalogic Shield for Android security patches and OS upgrades

## INDUSTRY - APPLICATION

### Retail

Store inventory & replenishment · Online order fulfilment · Price check & update · Goods receiving · Workforce management

### Manufacturing

Intralogistics · Receiving, putaway & inventory · Picking, shipping & work order management · Quality control, traceability & kitting

### Transportation & Logistics

Receiving, putaway & replenishment · Picking & order fulfilment · Forklift operations · Truck loading & unloading · Inventory, returns & baggage management

### Healthcare

Receiving & quality check · Warehousing & inventory management · Order fulfilment · Returns & batch tracking



# FALCON X60-X65

## TECHNICAL SPECIFICATIONS



WIRELESS COMMUNICATIONS	
<b>Local Area Network (WLAN)</b>	Wi-Fi 6/6E IEEE 802.11 a/b/g/n/ac/ax and 802.11 d/h/i/k/r/v/w/mc; Frequency range: Country dependent, typically 2.4 GHz, 5 GHz and 6 GHz bands; 2 x 2 MU-MIMO; WPA3 Enterprise 192-bit mode supported
<b>Personal Area Network (WPAN)</b>	Bluetooth wireless technology v5.3 (Classic Bluetooth wireless technology and BLE)
<b>NFC Communication</b>	Support for the following standards: Tag types 2/3/4/5 (ISO14443-4 A/B; ISO15693; Mifare; Felica) Reader and Card emulator.
<b>WWAN / Cellular (Falcon X65 only)</b>	3G/UMTS/HSPA+; LTE-Advanced / 4G+; NR 5G FR1; 3GPP Rel.16; Data only; Global Configuration: WCDMA: B1/2/4/5/6/8/19; FDD_LTE: B1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28/29/30/66/71; TDD_LTE: B34/38/39/40/41/42/43/48; 5G: n1/2/3/5/7/8/12/13/20/25/26/28/29/30/38/40/41/48/66/71/77/78/79; Private networks and CBRS support (4G and 5G) North America Carriers: AT&T; Verizon
<b>Global Positioning System (GPS – Falcon X65 only)</b>	Supported Types: GPS, Galileo, GLONASS, BeiDou Integrated Assisted-GPS (A-GPS) Dual band GNSS: L1 + L5

ELECTRICAL	
<b>Battery</b>	Removable extended battery pack with rechargeable Li-Ion batteries; MicroUSB type-C for fast battery charging. 3.63 V; Rated 7,000 mAh typical (25.445 Watt-hours); Hot Swap for application data protection
<b>Wireless Charging</b>	WPC Qi EPP compatible; 10W charging

ENVIRONMENTAL	
<b>Drop Resistance</b>	Multiple 2.8m/9.2ft drops to concrete at ambient temperature per MIL STD 810H; Multiple 2.4m/7.9ft drops to concrete over operating temp (-20°C to 50°C/-4°F to 122°F) per MIL STD 810H
<b>Tumbles</b>	4000 1.0m/3.3 ft tumbles at room temperature, meets and exceed IEC 60068-2-32 Procedure 2 specification;
<b>Particulate and Water Sealing</b>	IP65 and IP68 with battery, per IEC60529 specification
<b>Chemical Resistance</b>	Chemical cleanser and industrial oil resistant; Water solution of Sodium Hypochlorite 0.8%; Windex Multi-surface / Glassex with ammonia; Formula 409, Glass and Surface cleaner / Glassex with ammonia; Ethyl alcohol 70%; Isopropyl alcohol 70%; Hydrogen peroxide 3%
<b>Temperature</b>	Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -30 to 70 °C / -22 to 158 °F
<b>ESD</b>	15 kV air discharge / 8 kV contact discharge

PHYSICAL CHARACTERISTICS	
<b>Dimensions</b>	Handheld: 232 x 80 x 42 mm / 9.13 x 3.15 x 1.65 in Pistol Grip: 232 x 80 x 165 mm / 9.13 x 3.15 x 6.50 in
<b>Weight</b>	Handheld: with battery: 550 g / 19.4 oz Pistol Grip, XLR: with battery 700 g / 24.7 oz
<b>Primary Display</b>	4.3-inch LCD A-Si IPS - WVGA 480 x 800 resolution; LED backlight and integrated touch screen; High brightness for Indoor and Outdoor High Visibility - 600 NITS typical
<b>Touch Panel</b>	Touch Screen: 5 points multi-touch capacitive panel with hardened Corning® Gorilla® Glass Victus® and optical bonding; Support for gloves and stylus; water drops rejection and anti-fingerprint surface finishing
<b>Keyboard</b>	Physical Keyboards: 31-key Numeric; 41-key Functional Numeric; 53-key Alphanumeric; Keyboard with backlight Physical Keys: 2 side scan keys; Power On/Off Software keys: 3 Android soft keys
<b>Trigger</b>	TrueAim™ professional two-stage trigger

READING PERFORMANCE	
<b>Camera</b>	Rear Camera: 13-megapixel resolution; Auto focus Illumination: user controllable LED flash (torch mode); Front Camera: 8-megapixel resolution; Fixed focus
<b>Scan Engine</b>	Halogen™ DE2121-DL 1D/2D scan engine; Halogen™ DE2121-ER Extended Range 1D/2D scan engine; Halogen™ DE2172 Extra-long Range 1D/2D scan engine; Datalogic's 'Green Spot' for good-read feedback on all scan engines; visible up to 10m for Extra-Long Range

SENSORS	
<b>Vibration Accelerometer</b>	Software programmable for duration and intensity
<b>Gyroscope</b>	3-Axis accelerometer to detect orientation
<b>Ambient Light Proximity</b>	Senses angular velocity
<b>Magnetometer</b>	Auto adjusts display backlight
<b>Barometer</b>	Auto deactivates display when close to face
	e-compass for direction and orientation detection
	Atmospheric pressure / Z-location (Falcon X65 only)

INTERFACES	
<b>Interfaces</b>	High Speed USB 3.2 gen1 Host and Client (Type-C); Super Speed USB 2.0 (Type-C, Bottom I/O); Gigabit Ethernet connectivity (via multi-slot dock)

AUDIO	
<b>Microphones</b>	2 mics, with noise cancellation
<b>Loudspeaker</b>	Speaker for handsfree data calls and audio application

SAFETY & REGULATORY	
<b>Agency Approvals</b>	The product meets necessary safety and regulatory approvals for its intended use.
<b>Environmental compliance</b>	Complies to EU RoHS
<b>Laser Classification</b>	VLD - Class 2 IEC/EN60825-1; Compliant with 21 CFR 1040.10 except for deviations pursuant to laser notice No. 50 dated June 24, 2007.
<b>LED Classification</b>	Exempt Risk Group IEC/EN62471

SOFTWARE	
<b>DATALOGIC MOBILITY SUITE - Discover more on: <a href="https://datalogic.github.io">datalogic.github.io</a></b>	
<b>Protection</b>	Shield - Android Security Updates; Launcher - to lockdown device to kiosk mode; Enterprise Browser - for secure browsing; Integrity KIT - to safeguard HW interfaces.
<b>Configuration</b>	Scan2Deploy - configure, stage and enroll device; OEMConfig - for UEM/EMM compatibility; AE QR Generator - for easy EMM/UEM enrollment; Wi-Fi QR Generator - Enroll device with Wi-Fi network
<b>Development</b>	SDKs (Java, Kotlin, Xamarin, .NET MAUI JavaScript), Visual Formatter - visually code flow for barcode formatting; Wedge - a configurable bar code scanning input method
<b>Optimization</b>	Logger - collect advanced device events log; Wi-Fi Guard - collect Wi-Fi data and statistics; Battery Manager - collect battery usage data and optimize power, including Enterprise Battery Saver - optimize battery consumption by tailoring device behavior to contextual triggers, and Smart Charge - extend battery life by syncing device charge schedule to your operations; Snap OCR - digitizes text, streamlining data entry label parsing. Pocket Mode - prevents mis-operation of the touch screen while the device is in your pocket
<b>Empower</b>	SoftSpot - draggable touch scanner trigger; QuickBoard - customizable on-screen virtual keyboard

SYSTEM	
<b>SIM Slots</b>	1 Nano SIM; 1 eSIM (FalconX65 only)
<b>Expansion Slots</b>	1 Micro SD card (up to 2TB)
<b>Memory</b>	System RAM: 8 GB; UFS Flash: 128 GB
<b>Microprocessor</b>	Qualcomm® Dragonwing™ 4490 Octa-Core - 2.4 GHz
<b>Operating System</b>	Android v15 GMS and AOSP (platform upgradeable to A19)
<b>Real-Time Clock</b>	Time and date stamping under software control

WARRANTY	
<b>Warranty</b>	1-Year Factory Warranty

## ACCESSORIES

For full accessory range please refer to Falcon X60/65 accessory guide\*



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BARCODE  
FACTORY

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