FALCON™ X60-X65

BUILT FOR HARD WORK & HEAVY INPUT

DATALOGIC



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, Gorilla® Glass 7 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® 4490 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 **Gorilla® Glass 7** — 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® 4490** Octa-Core 2.4GHz 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

EASE OF CARE

DATALOGIC CONNECT

Powered by DATALOGIC MOBILITY SUITE

FALCON X60-X65

TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATIONS

Local Area Network (WLAN)	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
Personal Area Network (WPAN)	Bluetooth wireless technology v5.3 (Classic Bluetooth wireless technology and BLE)
NFC Communication	Support for the following standards: Tag types 2/3/4/5 (ISO14443-4 A/B; ISO15693; Mifare; Felica) Reader and Card emulator.
WWAN / Cellular (Falcon X65 only)	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
Global Positioning System (GPS – Falcon X65 only)	Supported Types: GPS, Galileo, GLONASS, BeiDou Integrated Assisted-GPS (A-GPS) Dual band GNSS: L1 + L5

ELECTRICAL

Battery	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
Wireless Charging	WPC Qi EPP compatible; 10W charging

ENVIRONMENTAL

Drop Resistance	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
Tumbles	4000 1.0m/3.3 ft tumbles at room temperature, meets and exceed IEC 60068-2-32 Procedure 2 specification;
Particulate and Water Sealing	IP65 and IP68 with battery, per IEC60529 specification
Chemical Resistance	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%
Temperature	Operating: -20 to 50 ºC / -4 to 122 ºF Storage/Transport: -30 to 70 ºC / -22 to 158 ºF
ESD	15 kV air discharge / 8 kV contact discharge

PHYSICAL CHARACTERISTICS

Dimensions	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
Weight	Handheld: with battery: 550 g / 19.4 oz Pistol Grip, XLR: with battery 700 g / 24.7 oz
Primary Display	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
Touch Panel	Touch Screen: 5 points multi-touch capacitive panel with hardened Gorilla Glass 7 and optical bonding; Support for gloves and stylus; water drops rejection and anti-fingerprint surface finishing
Keyboard	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
Trigger	TrueAim™ professional two-stage trigger

READING PERFORMANCE

Camera	Rear Camera: 13-megapixel resolution; Auto focus Illumination: user controllable LED flash (torch mode); Front Camera: 8-megapixel resolution; Fixed focus
Scan Engine	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

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

INTERFACES

Interfaces	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

Microphones	2 mics, with noise cancellation
Loudspeaker	Speaker for handsfree data calls and audio application

SAFETY & REGULATORY

Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use.
Environmental compliance	Complies to EU RoHS
Laser Classification	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
LED Classification	Exempt Risk Group IEC/EN62471

SOFTWARE

DATALOGIC MOBILITY SUITE – Discover more on: datalogic.github.io

Protection	Shield - Android Security Updates; Launcher - to lockdown device to kiosk mode; Enterprise Browser – for secure browsing; Integrity KIT - to safeguard HW interfaces.
Configuration	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
Development	SDKs (Java, Kotlin, Xamarin, .NET MAUI JavaScript), Visual Formatter – visually code flow for barcode formatting; Wedge – a configurable bar code scanning input method
Optimization	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
Empower	SoftSpot - draggable touch scanner trigger; QuickBoard – customizable on-screen virtual keyboard

Additional Features

Provisioning	Android Zero-Touch, Android Enterprise QR Code, NFC Bump, EMM Token, DPC Identifier enrollment
UEM/EMM	SOTI MobiControl, VMWare Workspace One, Microsoft Intune, 42Gears Sure MDM, Ivanti Neurons, Ivanti and any OEM Config compliant UEM/EMM, Terminal Emulator and PTT; Compatibility Highlight Ivanti Velocity, StayLinked Smart TE, Zello PTT
Datalogic Connect	The next-generation IoT cloud platform that empowers organizations to remotely control, manage, and gain actionable insights from all their deployed Datalogic devices

SYSTEM

SIM Slots	1 Nano SIM; 1 eSIM (FalconX65 only)
Expansion Slots	1 Micro SD card (up to 2TB)
Memory	System RAM: 8 GB; UFS Flash: 128 GB
Microprocessor	Qualcomm QCx4490 Octa-core 2.4 GHz
Operating System	Android v15 GMS and AOSP (platform upgradeable to A19)
Real-Time Clock	Time and date stamping under software control

WARRANTY

Warranty	1-Year Factory Warranty

ACCESSORIES

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


Skorpio X5 single dock with contacts


Skorpio X5 single dock wireless charging


Skorpio X5 3-slot dock with contacts


Skorpio X5 3-slot dock wireless charging


Skorpio X5 4-slot battery charger


SX40/SX45/ FX60/FX65, 4SD, WRD, Charge only


SX40/SX45/ FX60/FX65, 4SD, Eth, Charge + data


Belt Holster, Falcon X60/X65


SX40/SX45/ FX60/FX65, handstrap (5pcs)


FX60/FX65 Rubber boot (HH&gun)

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