



Datalogic Falcon X60/X65 – Mobiler Computer für lange Schichten und hohe Regale



Präzises Scannen bis in hohe Regale mit klarer Bestätigung

Standard-, Long-Range- und XLR-Imager lesen 1D- und 2D-Codes aus kurzer Distanz oder bis zu 20 m. Der Datalogic Green Spot zeigt den erfolgreichen Scan direkt am Barcode.



Robust gebaut für fordernde Anwendungen in Lager, Logistik und Outdoor

IP65/IP68, Gorilla Glass Victus und Fallfestigkeit bis 2,8 m schützen das Gerät vor Staub, Wasser und Stößen.



Flexible Eingabe über Tastatur und Touchscreen

Drei beleuchtete Tastaturlayouts, ein helles 4,3-Zoll-Display und der abnehmbare Griff passen das Gerät schnell an verschiedene Arbeitsweisen an.



Schnelle Verbindung per Wi-Fi 6E, Bluetooth 5.3 und optional 5G

Wi-Fi 6/6E, Bluetooth 5.3 und beim Falcon X65 5G sorgen für stabile Datenübertragung im Lager, auf dem Hof und unterwegs.



Durchgehender Betrieb dank Hot-Swap-Akku und kabellosem Laden

Der 7.000-mAh-Akku lässt sich im laufenden Betrieb wechseln. Kontaktloses Laden reduziert Verschleiß und Wartungsaufwand an den Ladepunkten.

Eigenschaften

Lesbare Codes: 1D, 2D

Scan-Engines: Standard, Long-Range oder XLR

Feedback: Datalogic Green Spot für visuelle Scanbestätigung, Vibration, Ton

Tasten: 31, 41 oder 53 beleuchtete Tasten, 2 Seitenscan-Tasten, Ein/Aus, 3 Android-Soft-Tasten, TrueAim-Zweistufenauslöser

Kommunikation: Wi-Fi 6/6E, Bluetooth 5.3, 5G (nur Falcon X65), NFC, USB 3.2, Gigabit Ethernet über Multi-Slot-Dock

Display: 4,3 Zoll (480 x 800 px), 600 Nits

Betriebssystem: Android 15 GMS und AOSP (auf bis zu Android 19 aufrüstbar)

Prozessor: Qualcomm Dragonwing 4490 Octa-Core 2,4 GHz

Speicher: 8 GB RAM, 128 GB UFS Flash, erweiterbar mit MicroSD bis zu 2 TB

Zusätzliche Features: 13 MP Rückkamera, 8 MP Frontkamera, GPS/GNSS (nur Falcon X65), div. Sensoren

Akku: 7.000 mAh, kabelloses Laden, Hot Swap

Schutz: IP65 und IP68, MIL-STD-810H, bis 2,8 m sturzsicher, Corning Gorilla Glass Victus

Betriebstemperatur: -20 °C bis +50 °C

Abmessungen (B x L x H): Handheld 80 x 232 x 42 mm, Pistol Grip 80 x 232 x 165 mm

Gewicht: 550 g Handheld, 700 g Pistol Grip XLR (mit Akku)

Optionales Zubehör

Ein- und Dreifach-Dockingstationen (Wireless Charging)

Ein- und Vierfach-Dockingstationen (mit Kontakten)

4-fach Akku-Ladestationen

Zusatz-Akkus

Schutzhülle

Gürtelholster

Handschlaufe

Schultergurt

Trigger Handle

Display-Schutzfolie

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/t 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 °C / -4 to 122 °F Storage/Transport: -30 to 70 °C / -22 to 158 °F
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 Corning® Gorilla® Glass Victus® 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)
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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 PTI; Compatibility Highlight Ivanti Velocity, StayLinked Smart TE, Zello PTI
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® Dragonwing™ 4490 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
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