

FALCON™ X60-X65



Choose Excellence. Legendary Strength. Reborn.



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, 2.8m 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



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 °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 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	Android Zero-Touch, Android Enterprise QR Code, NFC Bump, EMM Token, DPC Identifier enrollment
Provisioning	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
UEM/EMM	
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 QX4490 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)

SKORPIO™ X40/X45



Choose Excellence. Built for Agility.



ALL-DAY COMFORT, DESIGNED FOR REAL WORK

Built for high-intensity retail, light warehousing and manufacturing, the Skorpio X40/X45's compact, well-balanced design sits naturally in the hand — reducing strain and fatigue across long shifts so operators stay productive from receiving to shipping.

VERSATILE DATA ENTRY AND FIELD ADAPTABILITY

Three keyboard layout options with large, well-spaced keys deliver confident, accurate input in any application — even with gloves on. The field-detachable handle lets operators switch instantly between handheld and pistol grip, adapting to the task without slowing down.

NEVER MISS A SCAN WITH GREEN SPOT

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. Paired with high-performance 2D imagers for fast, accurate reading of 1D and 2D barcodes in any condition, the Skorpio X40/X45 keeps operations moving without missing a beat.

CONNECTED ACROSS YOUR ENTIRE OPERATION

Stay connected across your entire operation — indoors or out. Fast data sync, seamless roaming and the power to run modern enterprise apps without slowing down. Powered by Qualcomm® 4490 with 5G and Wi-Fi 6E, and built for Android™ enterprise with the long device lifecycle your fleet depends on.

ZERO DOWNTIME. ZERO COMPROMISE

The Skorpio X40/X45 supports both contact and wireless charging — with wireless eliminating the contact wear, debris build-up and maintenance of traditional pin charging. Full backward compatibility with Skorpio X5 docks and accessories means upgrading your devices doesn't mean replacing your infrastructure.

SKORPIO X40



Wi-Fi 6/6E
10m Long Range

SKORPIO X45



Wi-Fi 6/6E
Cellular 5G
10m Long Range

FEATURES

- **Three keyboard options (29, 39 and 48 keys)** with large, well-spaced keys for accurate input with or without gloves
- **Field-detachable handle** - fast switching between handheld and pistol grip
- **2D Standard and Long Range imager** with **Green Spot™** visual scan confirmation
- **4" WVGA display** with **Gorilla® Glass** for clear visibility indoors and out
- **Contact and wireless charging** — eliminating contact wear and, debris build-up and maintenance
- **7000mAh hot-swap battery** for uninterrupted 24/7 operation
- **IP65/67** 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
- **Qualcomm® 4490** Octa-Core 2.4GHz processor, 6/128GB memory
- **Android™ 15** with GMS, Android Enterprise Recommended — **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.

INDUSTRY - APPLICATION

Manufacturing

Inventory control · Shipping & receiving · Work order management · Quality control · Track & trace

Retail

Inventory & replenishment · Online order fulfillment · Price check & update · Goods receiving · Workforce management

Transportation and Logistics

Receiving & putaway · Picking & order fulfillment · Inventory management · Returns

Healthcare

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



SKORPIO™ X40/X45

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 (Skorpio X45 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)
Global Positioning System (GPS – Skorpio X45 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 2.4m/8ft drops to concrete at ambient temperature per MIL STD 810H; Multiple 1.8m/6ft drops to concrete over operating temp (-20°C to 50°C/-4°F to 122°F) per MIL STD 810H
Tumbles	3000 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 IP67 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: 210 x 75 x 27 mm / 8.27 x 2.95 x 1.06 in Pistol Grip: 210 x 75 x 155 mm / 8.27 x 2.95 x 6.10 in
Weight	Handheld: with battery: 445 g / 15.7 oz Pistol Grip: with battery 575 g / 20.3 oz
Primary Display	4.0-inch LCD A-Si IPS - WVGA 480 x 800 resolution; LED backlight and integrated touch screen; 450 NITS typical
Touch Panel	Touch Screen: 5 points multi-touch capacitive panel with hardened Gorilla Glass and optical bonding; Support for gloves and stylus; water drops rejection and anti-fingerprint surface finishing
Keys	Physical Keyboards: 29-key Numeric; 39-key Functional Numeric; 48-key Alphanumeric; Physical Keys: 2 side scan keys; Power On/Off Software keys: 3 Android soft keys

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

READING PERFORMANCE	
Camera	Rear Camera: 13-megapixel resolution; Auto focus Illumination: user controllable LED flash (torch mode)
Scan Engine	Halogen™ DE2121-DL 1D/2D scan engine; Halogen™ DE2121-ER Extended Range 1D/2D scan engine; Datalogic's 'Green Spot' for good-read feedback on all scan engines

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 (Skorpio X45 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)

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 (Skorpio X45 only)
Expansion Slots	1 Micro SD card (up to 2 TB)
Memory	System RAM: 6GB; UFS Flash: 128 GB
Microprocessor	Qualcomm QCC4490 Octa-core 2.4 GHz
Operating System	Android v15 GMS and AOSP (platform upgradeable to Android 19)
Real-Time Clock	Time and date stamping under software control

WARRANTY	
Warranty	1-Year Factory Warranty

ACCESSORIES

For full accessory range please refer to Skorpio X40/45 accessory guide*



© 2026 Datalogic S.p.A. and/or its affiliates. • All rights reserved. Without limiting the rights under copyright, no part of this documentation may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means, or for any purpose, without the express written permission of Datalogic S.p.A. and/or its affiliates. • Datalogic and the Datalogic logo are registered trademarks of Datalogic S.p.A. in many countries, including the U.S. and the E.U. • Memor is a trademark of Datalogic S.p.A. and/or its affiliates, registered in many countries, including the U.S. and the E.U. • Android is a trademark of Google Inc. The Android robot is reproduced or modified from work created and shared by Google and used according to terms described in the Creative Commons 3.0 Attribution License. • The Bluetooth word mark and logos are owned by Bluetooth SIG, Inc. and any use of such marks by Datalogic Group companies is under license. • All other trademarks and brands are property of their respective owners • Product specifications are subject to change without notice. •
DS-SKORPIOX40-X45-EN Rev A 20260421