SKORPIO™ X40/X45

Choose Excellence. Built for Agility.

DATALOGIC

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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 fulfilment · Price check & update · Goods receiving · Workforce management

Transportation and Logistics
Receiving & putaway · Picking & order fulfilment · Inventory management · Returns

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

EASE OF CARE

DATALOGIC CONNECT

Powered by DATALOGIC MOBILITY SUITE

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 QCx4490 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*


Skorpio X5 single dock with contacts

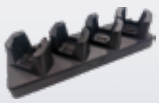

Skorpio X5 single dock wireless charging


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, Skorpio X40/X45


SX40/SX45/ FX60/FX65, hand-strap (5pcs)


SX40/SX45 Rubber boot (HH&gun)

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