

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



TECHNICAL SPECIFICATIONS



WIRELESS COMMUNICATIONS

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| 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

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| 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

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| 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

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| 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

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

READING PERFORMANCE

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| 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

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| 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

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| 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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SAFETY & REGULATORY

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| 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

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| 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

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| 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

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| Warranty | 1-Year Factory Warranty |
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ACCESSORIES

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

