

# SKORPIO™ X40/X45



THE DATA ENTRY WORKHORSE YOU'LL WANT TO CARRY ALL DAY



## 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, 1.8m drop-tested across full operating temperatures — built to take the daily grind
- **Wi-Fi 6/6E, 5G and Bluetooth® 5.3** — fast, reliable connectivity
- **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

|                                                           |                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Local Area Network (WLAN)</b>                          | 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                                                                                                                                     |
| <b>Personal Area Network (WPAN)</b>                       | Bluetooth wireless technology v5.3 (Classic Bluetooth wireless technology and BLE)                                                                                                                                                                                                                                                        |
| <b>NFC Communication</b>                                  | Support for the following standards: Tag types 2/3/4/5 (ISO14443-4 A/B; ISO15693; Mifare; Felica) Reader and Card emulator.                                                                                                                                                                                                               |
| <b>WWAN / Cellular (Skorpio X45 only)</b>                 | 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) |
| <b>Global Positioning System (GPS – Skorpio X45 only)</b> | Supported Types: GPS, Galileo, GLONASS, BeiDou Integrated Assisted-GPS (A-GPS) Dual band GNSS: L1 + L5                                                                                                                                                                                                                                    |

## ELECTRICAL

|                          |                                                                                                                                                                                                              |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Battery</b>           | 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 |
| <b>Wireless Charging</b> | WPC Qi EPP compatible; 10W charging                                                                                                                                                                          |

## ENVIRONMENTAL

|                                      |                                                                                                                                                                                                                                                                        |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Drop Resistance</b>               | 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                                                                                    |
| <b>Tumbles</b>                       | 3000 1.0m/3.3 ft tumbles at room temperature, meets and exceed IEC 60068-2-32 Procedure 2 specification                                                                                                                                                                |
| <b>Particulate and Water Sealing</b> | IP65 and IP67 with battery, per IEC60529 specification                                                                                                                                                                                                                 |
| <b>Chemical Resistance</b>           | 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% |
| <b>Temperature</b>                   | Operating: -20 to 50 °C / -4 to 122 °F<br>Storage/Transport: -30 to 70 °C / -22 to 158 °F                                                                                                                                                                              |
| <b>ESD</b>                           | 15 kV air discharge / 8 kV contact discharge                                                                                                                                                                                                                           |

## PHYSICAL CHARACTERISTICS

|                        |                                                                                                                                                                                                  |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions</b>      | Handheld: 210 x 75 x 27 mm / 8.27 x 2.95 x 1.06 in<br>Pistol Grip: 210 x 75 x 155 mm / 8.27 x 2.95 x 6.10 in                                                                                     |
| <b>Weight</b>          | Handheld: with battery: 445 g / 15.7 oz<br>Pistol Grip: with battery 575 g / 20.3 oz                                                                                                             |
| <b>Primary Display</b> | 4.0-inch LCD A-Si IPS - WVGA 480 x 800 resolution; LED backlight and integrated touch screen; 450 NITS typical                                                                                   |
| <b>Touch Panel</b>     | 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 |
| <b>Keys</b>            | 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

|                    |                                                        |
|--------------------|--------------------------------------------------------|
| <b>Microphones</b> | 2 mics, with noise cancellation                        |
| <b>Loudspeaker</b> | Speaker for handsfree data calls and audio application |



## READING PERFORMANCE

|                    |                                                                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Camera</b>      | Rear Camera: 13-megapixel resolution; Auto focus Illumination: user controllable LED flash (torch mode)                                                        |
| <b>Scan Engine</b> | 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

|                      |                                                      |
|----------------------|------------------------------------------------------|
| <b>Vibration</b>     | Software programmable for duration and intensity     |
| <b>Accelerometer</b> | 3-Axis accelerometer to detect orientation           |
| <b>Gyroscope</b>     | Senses angular velocity                              |
| <b>Ambient Light</b> | Auto adjusts display backlight                       |
| <b>Proximity</b>     | Auto deactivates display when close to face          |
| <b>Magnetometer</b>  | e-compass for direction and orientation detection    |
| <b>Barometer</b>     | Atmospheric pressure / Z-location (Skorpio X45 only) |

## INTERFACES

|                   |                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Interfaces</b> | 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 &amp; REGULATORY

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

## SOFTWARE

DATALOGIC MOBILITY SUITE - Discover more on: [datalogic.github.io](https://datalogic.github.io)

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

## Additional Features

|                          |                                                                                                                                                                                                                                             |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Provisioning</b>      | Android Zero-Touch, Android Enterprise QR Code, NFC Bump, EMM Token, DPC Identifier enrollment                                                                                                                                              |
| <b>UEM/EMM</b>           | 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 |
| <b>Datalogic Connect</b> | The next-generation IoT cloud platform that empowers organizations to remotely control, manage, and gain actionable insights from all their deployed Datalogic devices                                                                      |

## SYSTEM

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

## WARRANTY

|                 |                         |
|-----------------|-------------------------|
| <b>Warranty</b> | 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&amp;gun)