SKORPIO™ X5

The ultimate Android™ rugged keyboard mobile computer

android enterprise recommended

SKORPIO X5 IS MORE

Skorpio X5 is the best-in-class fully rugged key-based mobile computer to face the toughest enterprise challenges in Data Capture. The powerful next generation of Datalogic Skorpio family that stands out in any data collection application from distribution centers to retail stores. Lightweight, ergonomic, with plenty of different configurations and differentiating features, Skorpio X5 is the perfect business companion for professionals in the warehouse, shop floor, manufacturing floor and any logistics facility.

MORE POWERFUL AND EXTREMELY RUGGED

Skorpio X5 is powered by the market leader Qualcomm® SDA660 System-on-Chip platform clocked at 2.3 GHz for top performance in the most demanding applications. It features Google OS Android 10 with GMS and it is validated by Google as an 'Android Enterprise Recommended' (AER) rugged device.

Skorpio X5 is a fully rugged PDT designed for the toughest environments, with an IP65 sealing rating and 1.8 m / 6.0 ft repeated drops to concrete.

TOP READING PERFORMANCE AND SCAN ENGINE OPTIONS

Skorpio X5 features the most comprehensive scan engine choice including a totally new near-far Extra Long Range (XLR) with best in the market snappiness and reading performance even on damaged or covered barcodes.

WIRELESS CHARGING or 'CLASSIC' CONTACTS WIRED CHARGING

With Skorpio X5 you can choose between a full contactless device with state of the art 15 watt Wireless Charging or an industry standard pogo-pin connector version that also allows ethernet connectivity within the Skorpio cradle.

BEST IN CLASS VISIBILITY

Skorpio X5 feature a 4.3" display, the largest in his category, allowing the user to run more features rich applications or have a clearer and more easily readable screen in simpler apps. The high visibility display perfectly fits also in external environments.

FULL SHIFT CAPACITY

Replaceable battery with Standard 3500mAh or High Capacity 6200mAh choice, hot swappable battery technology and the Datalogic smart Battery Management application, allows customers to run 24/7 operations with no interruptions in the most demanding and scanning intensive applications.

FEATURES

- Qualcomm® SDA660 System-on-Chip 2.3 GHz platform providing power for the most demanding Apps
- Android 10 with Google Mobile Services; Android Enterprise Recommended for the ultimate user experience, platform stability and Enterprise features
- Largest display in its class with a 4.3" WVGA with Gorilla™ hardened glass delivering the highest visibility and readability even in direct sunlight
- RAM Memory: 3/4 GB; Flash Memory: 32/64 GB
- Four Scan Engine options: Linear imager, 2D imager Standard Range, 2D imager Mid-Range and 2D near-far Extra Long Range (XLR) with no compromises on data capture capabilities
- Choice of Wireless charging to eliminate contacts and reduce maintenance costs
- Rear 13 MP color camera to quickly document proof of damage or condition
- Removable battery pack with Hot Swap battery technology Standard 3500 mAh or High Capacity 6200 mAh
- Ruggedized with drop resistance up to 1.8 m / 6 ft to concrete and IP65 sealing to withstand the most harsh and demanding environments
- -20 to 50 ºC / -4 to 122 ºF operating temperature
- Dual band MIMO Wi-Fi featuring 802.11ac and 802.11r/k/v for fast roaming
- 47-key alphanumeric, 38-key function numeric, 28-key numeric to fit specific applications and user needs
- Bluetooth® v5 to empower Bluetooth peripherals with less power consumption
- NFC for proximity communications
- Chemical cleaner's resistant plastics/enclosure to endure frequent cleaning and disinfections
- Pre-licensed device and browser lockdown powered by 42Gears to prevent device misuse
- Main market MDM's and TE's compliant
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI. Datalogic Shield, for Android security patches and OS upgrades, is included with EASEOFCARE.

INDUSTRY - APPLICATION

- Retail:
  - Price Check and Update
  - Store Inventory, Store Replenishment
  - Online Order Fulfillment, Workforce Management
  - Receiving Goods in Store
  - Retail Front- End (Mobile POS, Assisted Sales)
- T&L:
  - Receiving, Putaway, Replenishment
  - Picking / Order Fulfillment
  - Forklift operations
  - Truck loading/unloading
  - Inventory, Returns and Baggage Management
- Manufacturing:
  - Intralogistics
  - Receiving, Inventory and Putaway Management
  - Picking and Shipping, Work Order Management
  - Quality Control & Traceability, Kitting
  - Planogram Compliance
  - Technical Documentation / Schematics
- Healthcare:
  - Receiving and quality check
  - Warehousing, Inventory Management, Order Fulfillment
  - Returns Management, Shipment batch tracking
  - Pharmacy applications

SKORPIO™ X5

TECHNICAL SPECIFICATIONS

WIRELESS COMMUNICATIONS

Local Area Network (WLAN)	IEEE 802.11 a/b/g/n/ac and 802.11 d/e/h/i/k/r/v/w/mc (for indoor localization); IPv4, IPv6, 2x2 MU-MIMO for higher throughput and coverage Frequency range: Country dependent, typically 2.4 GHz and 5 GHz bands
Personal Area Network (WPAN)	Class 2, Bluetooth V5.0 with BR/EDR and Bluetooth Low Energy (BLE) Support
NFC Communication	Support for the following standards: ISO14443-4 (type-A, type-B); ISO15693; Mifare; Felica Not available on the XLR version.

DECODING CAPABILITY

1D / Linear Codes	CodaBar, Code 128, GS1-128, ISBT 128, Code 39, Code 93, Discrete 2 of 5, UPC/EAN, GS1 DataBar™ linear codes, Interleaved 2 of 5, Matrix 2 of 5, MS
2D Codes (DE2112-SR, DE2112-MR and DE2172-AF)	Aztec Code, Data Matrix, Maxi Code, Micro QR Code, QR Code. DotCode (only supported by DE2172-AF (XLR)
Postal Codes (DE2112-SR DE2112-MR and DE2172-AF)	Australian Post, Japan Post, KIX Code, PLANET, POSTNET, Royal Mail Code (RM4SCC), USPS Intelligent Mail
Stacked Codes (DE2112-SR DE2112-MR and DE2172-AF)	Micro-PDF417, PDF417, GS1 DataBar Expanded Stacked, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, UPC/EAN/JAN Composites, GS1 DataBar Composites and GS1-128 Composite

ELECTRICAL

Battery	Removable battery pack with rechargeable Li-Ion batteries; MicroUSB type-C for fast battery charging. Standard: 3.7 V; Rated 3460mAh typical 3500mAh (12.8 Watt-hours); standard on all handheld models Extended: Rated 6080 mAh typical 6200mAh (22.1 Watt-hours); standard on all Pistol Grip models
Wireless Charging	15 W fast charging

ENVIRONMENTAL

Drop Resistance	Withstands multiple drops from 1.8 m / 6.0 ft onto steel or concrete according to IEC 60068-2-32 procedure 1. Skorpio X5 XLR with the Rubber Boot applied withstands multiple drops from 2.0 m / 6.6 ft onto steel or concrete according to IEC 60068-2-32 procedure 1.
Tumbles	Withstands 2,000 tumbles from 1 m / 3.3 ft, according to IEC 60068-2-32 procedure 2
Particulate and Water Sealing	IP65
Chemical Resistance	Chemical cleanser and industrial oil resistant
Temperature	Operating: -20 to 50 °C / -4 to 122 °F Storage/Transport: -30 to 70 °C / -22 to 158 °F

INTERFACES

Interfaces	USB Type-C: USB 3.1 gen 1 (3.2 gen 1x1), host and device; Gigabit Ethernet connectivity (via 3-slot dock)

SENSORS

Accelerometer	3-Axis accelerometer to detect orientation
Gyroscope	Senses angular velocity
Ambient Light	Auto adjusts display backlight
Proximity	Presentation Mode sensor for 2D models only (based on ToF). Not available on the XLR version.

SAFETY & REGULATORY

Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use.
Environmental Compliance	Complies to EU RoHS Directive 2011/65/EU
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

*XLR is featured with the ability of taking pictures with the scan engine.

PHYSICAL CHARACTERISTICS

Dimensions	Front size: 218 x 78.5 mm / 8.58 x 3.09 in Thickness Max 31,3 Head; Max 35,6 WLC coil area and hand strap area; XLR front size: 220.3 x 89.2 mm / 8.67 x 3.51 in, thickness max 52.6 mm
Primary Display	4.3 inch TFT / Transflective LCD with 800x480 WVGA pixel resolution; LED backlight and integrated touch screen, High brightness for Indoor and Outdoor High Visibility
Keyboard	47-key alphanumeric, 38-key function numeric, 28-key numeric; Keyboard with backlight
Touch Panel	Touch Screen: 6 points multi-touch capacitive panel with hardened Gorilla Glass 3; Support for gloves and stylus
Weight	Handheld: with Std. battery 488 g, with high capacity battery 514 g; Pistol-grip: with Std. battery 600 g, with high capacity battery 626 g; XLR with pistol grip and high capacity battery 665 g

READING PERFORMANCE

Camera	Rear Camera: Resolution: 13 MP; Illumination: User controllable LED flash Not available on XLR version*
Scan Engine	**1D Imager**: Linear CCD 2500 pixels; Sharp green LED scan line. Print contrast minimum: 15%. Depth of Field (typical): 4.0 to 74 cm / 1.5 to 29.1 in (13 mil/EAN) **2D Imager Standard Range** (supports 1D / 2D codes): White LED Illumination, laser aim 650nm; Print contrast minimum: 25%; Depth of Field (typical): 4.5 to 74 cm / 1.7 to 29.1 in (13 mil/EAN); 6.5 to 40 cm / 2.5 to 15.7 in (15 mil/DM) **2D Imager Mid-Range**: White LED Illumination; Print contrast minimum: 25%; Depth of Field (typical): 8.0 to 100 cm / 3.1 to 31.4 in (13 mil/EAN); up to 160 cm / up to 63 in (55 mil/DM); up to 500 cm / up to 197 in (100 mils Code 39); up to 400 cm / up to 158 in (160 mils Data Matrix) **2D Imager Extra Long Range (XLR):** Red LED Illumination; Print contrast minimum: 20%; Depth of Field (typical): up to 320 cm / up to 126 in (13 mil/EAN); up to 650 cm / up to 256 in (55 mil/DM); up to 1000 cm / up to 394 in (40 mil/Code128 and 100 mil/DM); up to 2000 cm / up to 787 in (100 mil/Code 128)

SOFTWARE

Applications	Pre-licensed device and browser lockdown powered by 42Gears; Datalogic WiFi Guard; compatible with Enterprise class PTT by Zello; Datalogic's SoftSpot soft triggers
Provisioning	Scan2Deploy Studio, Android Zero-Touch, QR Code enrollment
Configuration & Maintenance	Scan2Deploy Studio, OEMConfig
Software Maintenance	Datalogic Shield: recurring security patches, firmware updates, and OS upgrades
Development	Android: Datalogic Android SDK, Xamarin SDK, Ionic Cordova SDK and React Native SDK
MDM	Compatible with: SOTI MobiControl, VMWare AirWatch, Ivanti Avalanche, 42Gears SureMDM, Microsoft Intune
Terminal Emulation	Compatible with: StayLinked SmartTE, Ivanti Velocity

SYSTEM

Memory	RAM Memory: 3 / 4 GB; Flash Memory: 32/64 GB (partially used for firmware and reserved data)
Microprocessor	Qualcomm® SDA660 System-on-Chip 2.3 GHz
Operating System	Android 10 with GMS – 2 Main OS Upgrade Support
Audio	Wideband Speech (HD Audio) supported on Android
Expansion Slots	Micro Secure Digital slot (SDXC) up to 256 GB

WARRANTY

Warranty	1-Year Factory Warranty

ACCESSORIES

Base Stations/Chargers

94A150106 Single Slot Dock, Wireless
94A150107 Single Slot Dock, Wired
94A150108 3 Slot Dock Wireless Light
94A150109 3 Slot Dock Wireless Locking
94A150110 3 Slot Dock Wired
94ACC0274 Multi Battery Charger

Miscellaneous

94ACC0324 Screen Protector
94ACC0325 Attachable Pistol Grip
94ACC0323 Rubber Boot for HH and Gun
94ACC0331 Rubber Boot for Skorpio X5 XLR

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