

 **DATALOGIC**  
THE VISION IS YOURS

**skorpio™ X4**



September, 2017

# Skorpio™ X4

## Same Legendary Skorpio, Great New Performance!

- Same highly successful form factor:
  - Outstanding ergonomics; contoured shape reduces fatigue
  - Elegant and trendy design suited for the store floor
- New state-of-the-art architecture
  - Significantly improved performance
  - Android™ drives the recent trends for the Enterprise



# Compatibility with Existing Accessories



- Fully compatible with all Skorpio X3 accessories
- Leverages the huge installed base of Skorpio X3
- Preserves the customers' investment



Single Slot Dock



Ethernet/Modem  
Modules



Handle



Belt Holster



Vehicle Holder



4-Slot Dock Charger



Multi-battery  
Charger



Soft Case



Rubber Boot



# Overview

- Form Factor: Handheld or Pistol-Grip
- Windows Embedded WEC7 + Android 4.4
- Display: 3.2" QVGA; multi-touch
- Processor: TI OMAP Dual Core, 1 GHz
- Memory: 1 GB RAM, 8 GB Flash
- Environmental: Drop:1.8 m; IP64, -10 °C to 50 °C
- Datalogic 1D and 2D Imager with 'Green Spot' technology
- WiFi: 802.11a/b/g/n (2.4 and 5 GHz), MIMO, CCX v4
- WPAN: *Bluetooth*® 4.0 with wideband audio (Android models)
- Battery: 3,000 or 5,200 mAh; hot swappable
- Voice: HD voice support via BT headset
- **Accessories:** Fully compatible with all Skorpion X3 accessories



# Skorpio X4 vs. Skorpio X3

Feature Comparison	Skorpio X3	Skorpio X4
Operating System	WinCE 6.0, WEHH 6.5	WEC7, Android 4.4
Increased Drop Resistance	Drops: 1.5 m / 5 ft	Drops: 1.8 m / 6 ft
Reading Technology	Laser 2D Area Imager	1D Green Illumination 2D White Illumination
Wi-Fi Communication	802.11 a/b/g CCX v4	802.11 a/b/g/n with MIMO and CCX v4
Audio	No Wideband audio	Wideband Speech Support for Android
Improved Performance	624 MHz CPU 256 MB RAM, 512 MB Flash	OMAP4 @ 1 GHz CPU 1 GB RAM, 8 GB Flash
Accessories	Full compatibility of X3 accessories and improved docking connection	



# Main Features

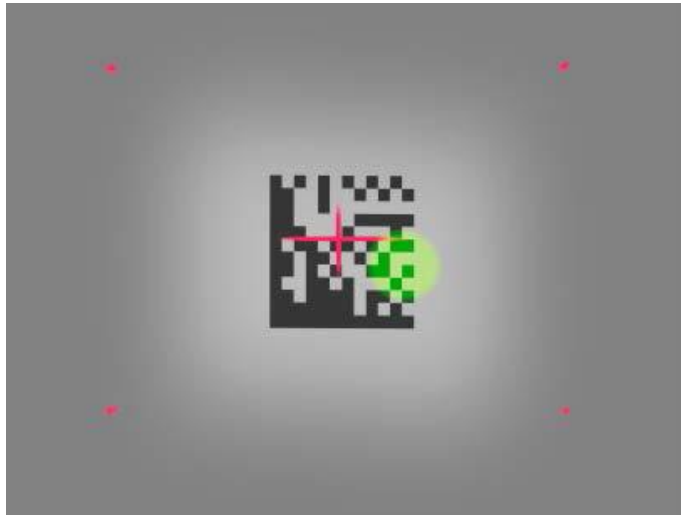
# New High Performance 1D Imager: **Green** is the new Red!



- Innovative **Green** laser-like system
- Outperforms laser with the safety of an Imager
- Decodes high resolution codes down to 2.5 mils
- Decodes **on-screen bar codes** (e.g. Smartphones, etc.)



# White Illumination 2D Imager



- New technology with highly visible white-illumination
  - Addresses a wide range of applications, from high density bar codes to the standard range distances
  - Aiming is fast and simple using 4 dots to indicate the scanning area
  - White illumination is easier on the human eyes and reads colored labels better
  - Megapixel performance for superior scanning and depth of field with Datalogic decoding libraries
  - Capable of reading Direct Part Marking (DPM)



# Datalogic's 'Green Spot' Technology

- Datalogic's patented visual good-read feedback, 1D or 2D Imager

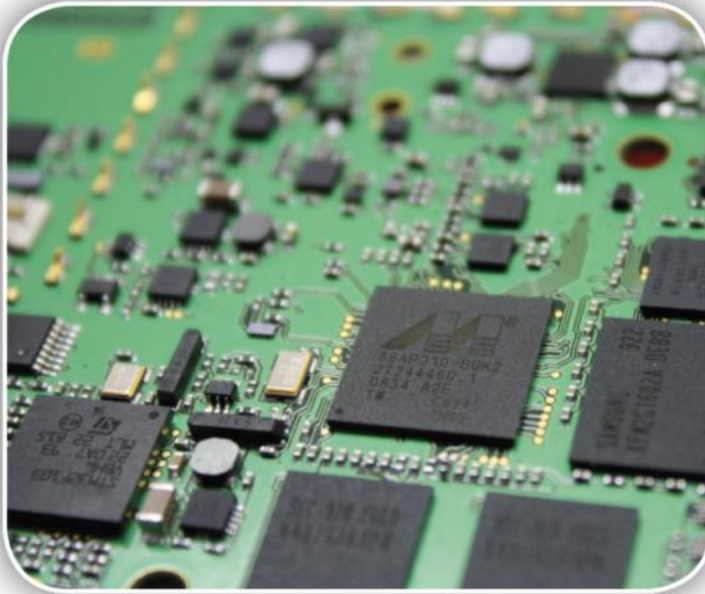
## Noisy Environments



## Quiet Environments



# OMAP4 Platform



- State-of-the-art platform for PDTs, multicore performance
- Supports both legacy Windows (WEC7) and Android v4.4
- Enables smooth transition from Windows to Android

# Exceptional Computing Power



**3x faster CPU than Skorpio X3!**

- **7x faster memory (read/writes)**

TI OMAP 1 GHz Dual Core processor with dedicated GPU

- Most widely used chipset in rugged industry
- Support for WEC7 and Android 4.4 in the same product

  
Windows  
Embedded  
Compact 7



- 1GB RAM / 8GB Flash memory
- MicroSD with high capacity up to 32 GB



# Wireless Communications



- Wi-Fi
  - IEEE 802.11 a/b/g/n by Texas Instruments
  - 2.4 GHz and 5 GHz frequency bands
  - Superior coverage and throughput with MIMO technology
  - CCX v4 certified
  - WPA/WPA2 encryption
- *Bluetooth*® Wireless Technology 4.0
  - Supports *Bluetooth* Low Energy (BLE) (Android version)



# Increased Ruggedness



- Withstands drops from 1.8 m / 6 ft onto concrete
- IP64 sealing for indoor and outdoor operations
- Operating temperature range from -10 to 50 °C / 14 to 122 °F
- Hardened glass scan window
- Improved durability on the docking contacts

# Additional Features

# Inclined Scan Engine



- Simplifies Operations
  - Display can be viewed while reading bar codes
  - No need to turn the wrist to scan
  - Easier to aim and faster to read
  - Applies to both 1D and 2D configurations

# Outstanding Autonomy!



- Choice of two Li-Ion battery packs:
  - Standard 3,000 mAh
  - Extended 5,200mAh for scan intensive applications
- Hot swap functionality for continuous operation
- Both battery packs guarantee ergonomics and comfort in handling the product
- All pistol-grip models are equipped with the extended battery pack from the factory



# Physical Features



- Integrated stylus pen
- Rear scan button (handheld)
- Micro USB for direct charging
  - Universal Power Supply
  - Recharge and communication functions
- Accelerometer to auto-rotate display (Android only)
- Audio
  - Loudspeaker; Microphone
- Functional LED indicators
  - Power; Keyboard; Scan

# Attachable Handle



- Increased flexibility for :
  - End users
  - Partners
  - Reduced factory lead-time
- Arched for comfort
- Ergonomic trigger, comfortable for intensive or long periods of scanning

# WEC7 Keyboard Layouts



**28-key  
Numeric**



**38-key  
Functional**



**50-key  
Alphanumeric**



# Android Keyboard Layouts



28-key  
Numeric



38-key  
Functional



50-key  
Alphanumeric



# Wired Communication



- Multiplexed main connector:
  - USB 2.0 High Speed Host and Client
  - Serial
  - Audio
- Accessory extensions:
  - Ethernet
  - Modem
  - USB Client
  - Serial (RS-232)

# Software

# Datalogic's Pal™ Software Makes it Easy!



- Pal Applications:
  - Fixed Assets
  - Shelf Inventory
  - Shelf Replenishment
  - Order Management
- Pal Communicator:
  - Automatic data transfer when device docked to PC
  - Automatic import into Excel, Notepad or user specified system
- Powerful tool for Partners and End Users:
  - Ready to demonstrate
  - Easy to localize and configure
- WEC7 models only

# Development



- WEC7: compatibility with previous Win CE apps
- Datalogic Windows SDK
  - C++ / C#
  - .NET
- MCL-Collection™
- Datalogic Android SDK
  - Android Studio and Eclipse support
  - Publicly shared on GitHub portal:  
<https://datalogic.github.io/>
- New Datalogic Xamarin SDK!
  - Cross platform development





# Terminal Emulation and Voice-Picking



- WEC7:
  - Wavelink Terminal Emulation:
    - Pre-licensed on gun versions
  - Wavelink Speakeasy™ :
    - Voice picking applications
    - Voice enabled terminal emulation & browser



- Android:
  - Staylinked SmartTE
  - Wavelink Velocity

# Configure, Deploy and Manage (WEC7)



- **Configure and Update:**
  - Datalogic X-Platform Utility (DXU)
  - Scan2Deploy (scan to configure)
  - Over the Air (OTA) configuration
- **Device Management**
  - Wavelink Avalanche MDM pre-licensed!
- **Troubleshoot**
  - Wavelink Avalanche Remote Control™
- **Device and Browser Lockdown:**
  - DDU Utility
  - SureFox locked browser pre-licensed!



# Configure, Deploy and Manage (Android)



- **Configure and update:**
  - Datalogic X-Platform Utility (DXU)
  - Scan2Deploy (scan to configure)
  - Over the Air (OTA) configuration
- **Device and Browser Lockdown:**
  - SureLock (device lockdown)  
pre-licensed!
  - SureFox locked browser  
pre-licensed!





# Software Tools

Mobile Device Management	 <b>Avalanche</b>	 <b>MobiControl</b>	
Modern TE	 <b>StayLinked</b> <b>SmartTE</b>	 <b>Velocity</b>	
Application Development	 <b>Xamarin</b>		



# Target Markets & Key Selling Points

# Industries and Applications

Retail	Transportation & Logistics	Manufacturing	Healthcare
<b>Front-end:</b> <ul style="list-style-type: none"><li>• Price check</li><li>• Shelf replenishment</li><li>• Inventory</li></ul> <b>Back Office:</b> <ul style="list-style-type: none"><li>• Receiving</li><li>• Inventory management</li></ul> <b>Warehouse:</b> <ul style="list-style-type: none"><li>• Picking</li><li>• Shipping &amp; Receiving</li></ul>	<ul style="list-style-type: none"><li>• Picking and packing</li><li>• Shipping &amp; Receiving</li><li>• Track &amp; Trace</li><li>• Sortation</li></ul>	<b>Shop Floor:</b> <ul style="list-style-type: none"><li>• Work in progress</li><li>• Quality control</li></ul> <b>Warehouse:</b> <ul style="list-style-type: none"><li>• Picking</li><li>• Shipping &amp; Receiving</li></ul>	<ul style="list-style-type: none"><li>• Laboratories</li><li>• Production Control</li><li>• Inventory Management</li></ul> <b>Warehouse:</b> <ul style="list-style-type: none"><li>• Picking</li><li>• Shipping &amp; Receiving</li></ul>

# Key Selling Points












- Target markets:
  - Retail In-Store, back-office, warehousing
- New powerful platform
  - 3x CPU speed and 7x memory
- Easy migration for Skorpion X3 installed base
  - Accessory compatibility
  - Application portability
- Easy migration from WEC7 to Android on the same device

# Options and Accessories



# Model Options

Form	Keyboard (specialized for WEC7 or Android)	Scan Engine	Operating System
Handheld 	Numeric 28-Key 	1D Imager with Green Spot 	WEC7 
Pistol Grip 	Functional 38-Key 	2D MP Imager with Green Spot 	Android 4.4 
	Alphanumeric 50-Key 		

# Accessories (fully compatible with X3)



- Single Slot Dock:
  - Ethernet Module
  - Modem Module
- 4 Slot Dock Charging only
- 4 Slot Ethernet Dock
- Multi Battery Charger

# Accessories (fully compatible with X3)

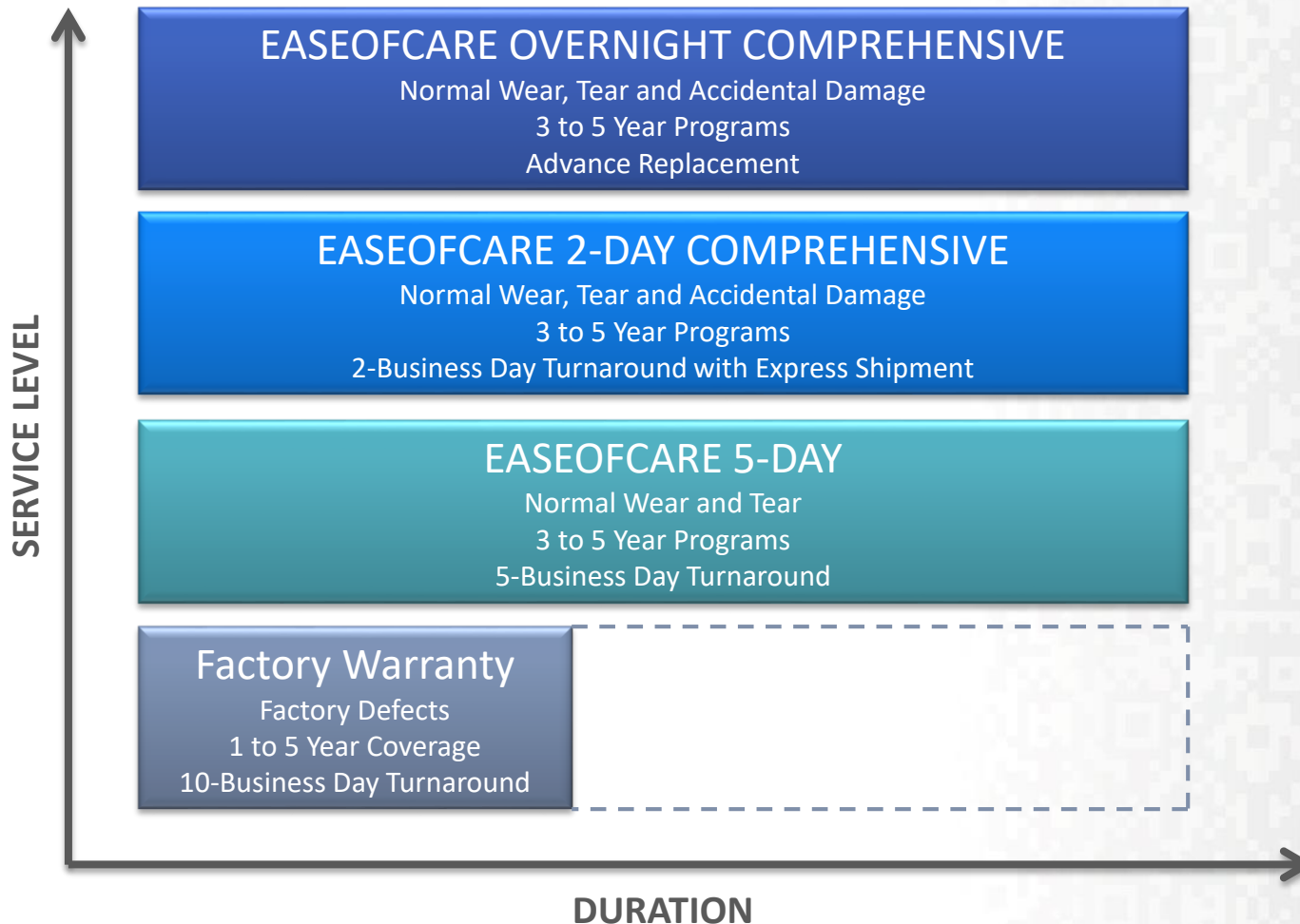


- Handle
- Belt Holster
- Soft-case
- Vehicle Holder
- Rubber boot

# Service and Support



# EASEOFCARE Support Programs



This presentation contains statements that are neither reported financial results nor other historical information. These statements are forward-looking statements. These forward-looking statements rely on a number of assumptions and are subject to a number of risks and uncertainties, many of which are outside the control of Datalogic S.p.A., that could cause actual results to differ materially from those expressed in or implied by such statements, such as future market conditions, currency fluctuations, the behavior of other market participants and the actions of governmental and state regulators

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