

**Release Note:** Windows Embedded Compact 7.0 version 1.30.067 **Distribution Date:** August 1, 2018

**Product Involved:** Skorpion™ X4

**Description:** Skorpion X4 Windows Embedded Compact 7 Version 1.30 International

**Business Unit:** Mobile Computers

**Distribution Scope:** ☐ Internal ☒ External – specify: Public

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## Skorpion™ X4 Windows Embedded Compact 7.0 version 1.30.067.02 International

### 1. COMPATIBILITY

- For use on Skorpion X4 Pilot or Production units.

#### NOTE:

**INSTALLING THIS FIRMWARE WILL CAUSE YOUR BOOTLOADER TO BE UPDATED.**

\\\\IMPORTANT\\\\ Be sure that the mobile computer's battery is well charged to avoid any risk of unrecoverable issues during the upgrade. Datalogic recommends you USE A POWERED SINGLE SLOT DOCK or A USB POWER ADAPTER.

\\\\IMPORTANT\\\\ Do NOT operate the mobile computer until the update is completely finished. Do NOT press keys on the keyboard. Do NOT touch the touchscreen. Do NOT press the ON/OFF button. Do NOT press the pistol trigger. Do NOT disconnect the mobile computer from external power during the update.

### 2. ENHANCEMENTS

#### 2.1. Bar Code Decoding Enhancements

- a. Implemented 1D scanner aimer feature as blinking green line.

#### 2.2. Wi-Fi Enhancements

- a. Introduced improved DL Wi-Fi applet for a better user experience as default alternative for WCU applet.



## 2.3. Miscellaneous Enhancements

- a. Updated radio adapter firmware to 4.2.3-Rev 8.9.0.0.45 version.
- b. Upgraded Windows Embedded Compact 7 to Update 67 Wave 5 March 2018 supporting Transport Layer Security protocol (TLS) versions 1.1 and 1.2.

## 3. CORRECTED DEFECTS

### 3.1. Communication Corrections

- a. Fixed an issue that did prevent Bluetooth Hands-Free profiles to automatically reconnect after a reboot.

### 3.2. Wi-Fi Corrections

- a. DL Wi-Fi applet can supports Wi-Fi auto profile feature.

### 3.3. SDK Corrections

- a. Now SDK .NET allows to create WEP wi-fi profile.
- b. Now SDK .NET allows to create WPA-TKIP wi-fi profile.

### 3.4. Miscellaneous Corrections

- a. Now languages and/or code pages are properly supported in WEC7 for application developed for CE6.
- b. Cab file installation from FlashDisk\Cab folder is now silent.

## 4. FILES

- nk.img: Skorpion X4 Windows Embedded Compact 7.0 version 1.30.067 International
- ReleaseNote\_SX4\_WEC7\_1.30\_Firmware.pdf (this document)

## 5. OTHER NOTES

### Other Dependencies:

- Datalogic DXU v1.7.149 or newer
- Datalogic SDK v2.1.0.64 or newer

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## Upgrade Method:

- Datalogic DXU: see the specific DXU section available in the device user manual.

## 6. SUPPORT

Datalogic Mobile SW Download Area:

[http://www.datalogic.com/eng/support-sp-18.html#\\_downloads](http://www.datalogic.com/eng/support-sp-18.html#_downloads)

Datalogic Mobile Support:

[http://www.datalogic.com/eng/support-sp-18.html#\\_tech\\_support](http://www.datalogic.com/eng/support-sp-18.html#_tech_support)

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## 7. HISTORY

### 7.1. Skorpion™ X4 Windows Embedded Compact 7.0 version 1.22.065.03 International

#### ENHANCEMENTS

##### Miscellaneous Enhancements

- Updated 1D scanner to 1.5.1.0 version.
- Updated EVL WEC7 library to 1.1.25.0 version.

#### CORRECTED DEFECTS

##### Bar Code Decoding Corrections

- Now the 2D scanner reports both pair of labels when "Require ISBT 128 Concatenation" is enabled.
- Fixed an issue to prevent the 1D scanner to incorrectly decode programming labels.
- Fixed an issue that could cause the 1D scanner to decode only a portion of a wide Standard 2 of 5 label.

##### Communication Corrections

- The Bluetooth "Authentication Request" PIN prompt appears when a second Hands-Free profile becomes discoverable after deleting a previous Hands-Free pairing as expected.
- Fixed an issue that might cause the device to not connect to Ethernet if put in the Ethernet dock while resuming.

##### USB Corrections

- Now if a USB Mass Storage device is connected to a suspended device through a hub, the USB device is properly (re)mounted on resume.
- Fixed an issue to prevent device to not connect to a PC over Activesync/WMDc resuming from single slot dock.

##### Wi-Fi Corrections

- Now Wi-Fi channels setting is maintained at reboot also for ETSI models.

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## Miscellaneous Corrections

- Now RDP password setting is maintained after warm boot.
- Maximum size of the system RAM memory for WEC 7 is 128MB due to MS design.

## 7.2. Skorpio™ X4 Windows Embedded Compact 7.0 version 1.20.065.05 International

### ENHANCEMENTS

#### Miscellaneous Enhancements

- Upgraded Windows Embedded Compact 7 to Update 65.
- Updated radio adapter driver to MCP-8.0.0.47\_Release\_3.3 version.
- Updated radio adapter firmware to 4.2.3-Rev 8.9.0.0.44 version.
- Updated radio adapter utility to 9.2 version.
- Updated Avalanche Enabler to 5.3-97 version.
- Implemented USBLAN PC Connection Control protocol.
- Now device supports also previous Ethernet cradle chip.

### CORRECTED DEFECTS

#### Bar Code Decoding Corrections

- Now the 2D scanner can decode QR Code labels even if Data Encoding is set to "Shift JIS".

#### Communication Corrections

- Fixed an issue preventing Bluetooth Hands-Free profiles to not automatically reconnect after a resume.

#### USB Corrections

- Fixed an issue preventing device to get an internet connection via USB ActiveSync connection.

#### Wi-Fi Corrections

- Fixed an issue causing Wi-Fi profile connection to fail if more than one Wi-Fi profile was configured in WCU.

#### Miscellaneous Corrections

- Now RDP dialogs fit correctly the screen size.

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## 7.3. Skorpion™ X4 Windows Embedded Compact 7.0 version 1.12.065.01 International

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## 7.4. Skorpion™ X4 Windows Embedded Compact 7.0 version 1.11.064.01 English

### ENHANCEMENTS

#### Miscellaneous Enhancements

- Updated radio adapter driver to MCP-8.0.0.47\_Release\_3.0 version.
- Updated radio adapter firmware to 4.2.3-Rev 8.9.0.0.43 version.
- Updated radio adapter utility to 8.9 version.

### CORRECTED DEFECTS

#### Bar Code Decoding Corrections

- Fixed an issue that may cause the illumination of the 1D scanner to stay on after removing the device from the dock and then scanning.
- Now the 2D scanner transmits the linear component of GS1-128 with CC-B Composite labels also when AIM IDs are enabled.

#### Power Management Corrections

- Fixed a problem that may cause the device to suspend immediately after pressing the power key to resume.

#### Wi-Fi Corrections

- Fixed an issue in WCU that prevented special characters to be inserted as SSID.
- Fixed an issue causing the device failing to resume with black screen after using ScanToConfigure to configure Wi-Fi.

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## 7.5. Skorpion™ X4 Windows Embedded Compact 7.0 version 1.10.064.04 English

Released for selected customers only

## 7.6. Skorpion™ X4 Windows Embedded Compact 7.0 version 1.00.064.06 English

First production release

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