

MC45 OPERATING SYSTEM BSP 80.13.001 RELEASE NOTES

INTRODUCTION

The MC45N7 is a size- and cost-optimized enterprise mobile computer that will help value-conscious enterprises affordably automate business processes in field mobility applications. It offers 3.5G WAN connectivity, NFC (Near Field Communication) radio communication with NFC Demo application, a color camera capable of picture taking and enterprise-class decoding of 2D barcodes, lightweight design, rugged construction and a core set of mobile computing features at affordable price points.

DESCRIPTION

1. OS Version: Windows Mobile 6.5.3 AKU 5.2.29128 (Build 29128.5.3.12.16)
2. Enterprise Dialer v5.2.5312.27010
3. Virtual Platform 5.2.5312.27014
4. Arcsoft MMS v5.5.3.106
5. RD Client v07.08.42

CONTENTS

45Xw65XenUL8013001.zip : An UpdateLoader Package contained in a ZIP file.

DEVICE COMPATIBILITY

This software release has been approved for use with the following Symbol devices.

Device	Operating System
MC45N7	Windows Mobile 6.5.3

INSTALLATION REQUIREMENTS

MC45N7 device must contain a released version of Windows Mobile Software.

INSTALLATION INSTRUCTIONS

Copy contents of zip file to SD card or to \Temp folder. Execute StartUpdLdr.exe or cold boot terminal by pressing 1 + 9 + pwr and hold the left trigger key to start the update loader process.

BUGS FIXED/CHANGES FROM STANDARD MC45 OS IMAGE 01.09.0414

The following features were either not included in the original release or were part of a point release. Additional high level changes are listed as well.

Other Changes

Support RS507 (Whistler) BT Scanner device.

Delay is added when launching camera. The camera is launched after user press the camera key longer than 300ms.

SPR 24083 - SIM PIN window (from MS Dialer) will pop-up again to remind user after disappearing.

SPR 23568 - Resolved an issue where the keylight settings do not persist to either warm or cold boot.

SPR 23963 - Slow FTP download issue. Currently terminal is optimized for voice through WLAN. To optimize the data transfer, disable UAPSD - Unscheduled Automatic Power Save Delivery using following registry key.

[HKEY_LOCAL_MACHINE\Comm\HORNET10_1\Parms] "enableUAPSD"=dword:00000000

Removed "Bing" application since Microsoft doesn't support it anymore.

BT DUN changed to COM4. (Not COM7 as it was in 01.09.0414)

Features

Microsoft - Windows Embedded Handheld - AKU 6.5.3.12.16 Build 29128

Added ability to lock device on screen timeout without password using the following registry key
HKEY_LOCAL_MACHINE\Comm\Security\LASSD (DWORD) EnableAutoLock = 1

IE Kiosk mode

Kiosk mode in Internet Explorer Mobile 6 can be enabled by creating a DeviceKioskMode DWORD value under

HKCU\Software\Microsoft\Internet Explorer\Main and setting the value to 1 (Hexadecimal).

By using this registry setting, kiosk mode is enabled as follows:

The address bar is not visible

The tap-and-hold popup menu is disabled

The zoom slider is disabled

If the SIP is enabled, the menu bar is still enabled in kiosk mode, but only the software input panel is active. The Start and Close buttons can be removed from the menu bar by using the following registry

entries under the HKEY_LOCAL_MACHINE\Software\Microsoft\Shell\BubbleTiles key:

(DWORD) HardwareStartKeyEnabled = 1

(DWORD) HardwareDoneKeyEnabled = 1

You must restart your hardware for the registry changes to take effect.

Added ability to not display characters during password entry by using the following registry Key:

[HKEY_LOCAL_MACHINE\System\GWE\EDIT]

"MASKPASSWORD"=dword:00000001

When the value of MASKPASSWORD is set to 1, the password character will be masked immediately; otherwise, the password character will be displayed momentarily

Microsoft has removed/deprecated the "My Phone" application.

Microsoft has removed/deprecated the "Marketplace" application.

Microsoft has removed/deprecated the "Bing" application.

Resolved issue: Remote Desktop Mobile session is sometimes obscured by an overlay of grid lines.

The following Russian cities have been added to "Clocks and Alarms":

Kaliningrad (GMT+3), Novosibirsk (GMT+7), and Irkutsk (GMT+9) have been added to the Time Zone list.

Enterprise Dialer version 4.0.10

Fix for - SIP keyboard is not seen when tried to SMS from unknown phone number in call log.

Notes

The device laser uses following reg key to maintain defaults of Reader and Interface parameters

[HKEY_LOCAL_MACHINE\Drivers\BuiltIn\BarCodeReader\Settings]

* Adaptive Scanning is enabled by default. In order to make the Adaptive Scanning configurable, need to set the reg keys as following:

[HKEY_LOCAL_MACHINE\Drivers\BuiltIn\BarCodeReader\Settings] "Capabilities"=dword:00000103

Other General Best Practices

Use Application\Startup folder to load applications not Windows\Startup folder as items in Windows\Startup run very early in the boot process and it is possible for items to start prior to full system resources being available.

Programmatic Suspend API: PowerPolicyNotify - this is the only suspend API supported. VK_Off method is not supported.

PowerPolicyNotify(PPN_SUSPENDKEYPRESSED, 0);

PowerPolicyNotify(PPN_SUSPENDKEYRELEASED, 0);

Programmatic Warm Boot API: ExitWindowsEx(EWX_REBOOT,0); - this is the only warm boot API supported.

Customer configurations that require a large usage of virtual memory may benefit from a regularly

scheduled programmatic warm boot. Frequency of the scheduled warm boot would depend on each customer's usage of virtual memory.

PART NUMBER AND RELEASE DATE

45Xw65XenUL8013001.zip

October 10, 2013