



# February 2010 Firmware and Software Updates

## Release Notes

Document Version 1.0

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## Introduction

This document lists all firmware and software components, available for the Xcalibur Global Management Software and for Chip PC thin client devices, which were released in February 2010. The document describes the most recent functionality additions and fixes.

## Components

The February 2010 Firmware and Software Updates include the following components:

- Firmware Upgrade Packages
- Local Plug-in Packages
- Xcalibur Global Plug-in Packages

### 1 Firmware Upgrade Packages

The following table lists the latest released firmware versions:

**Table 1: Latest Released Versions**

Hardware Platform	Firmware Based	Version
7xxx based models	CE 6.0	7.0.2 b.142312
6xxx based models	CE 6.0	7.0.2 b.161611
6xxx based models	CE 4.2	6.5.8 b.150511
2xxx based models	CE 6.0	7.0.3 b.162601
2xxx based models	ThinX	1.1.2 b.100612
4741 EX-PC	Windows Embedded Standard 2009	2.011.05

## 1.1 Firmware 7.0.2 b.142312 (CE 6.0 on 7xxx) Upgrade Packages

**Table 2: Local Packages**

File Name	Upgrade From
Upgrade_7xxx_CE6.0_7.0.0_to_7.0.2_b.142312.image	7.0.0
Upgrade_7xxx_CE6.0_7.0.1_to_7.0.2_b.142312.image	7.0.1
Upgrade_7xxx_CE6.0_7.0.2_to_7.0.2_b.142312.image	7.0.2

**Table 3: Xcalibur Global Packages**

File Name	Upgrade From
Upgrade_7xxx_CE6.0_to_7.0.2_b.142312.xcp	Any CE 6.0 based firmware

## 1.2 Firmware 7.0.2 b.161611 (CE 6.0 on 6xxx) Upgrade Packages

**Table 4: Local Packages**

File Name	Upgrade From
Upgrade_6xxx_CE4.2_6.5.7_to_CE6.0_702_b.161611.image	6..5.7 (CE 4.2)
Upgrade_6xxx_CE4.2_6.5.8_to_CE6.0_702_b.161611.image	6..5.8 (CE 4.2)
Upgrade_6xxx_CE6.0_7.0.0_to_702_b.161611.image	7.0.0
Upgrade_6xxx_CE6.0_7.0.1_to_702_b.161611.image	7.0.1
Upgrade_6xxx_CE6.0_7.0.2_to_702_b.161611.image	7.0.2

**Table 5: Xcalibur Global Packages**

File Name	Upgrade From
Upgrade_6xxx_CE4.2_or_CE6.0_to_CE6.0_7.0.2_b.161611.xcp	Any CE 4.2 or CE 6.0 based firmware

### 1.3 Firmware 6.5.8 b.150511 (CE 4.2 on 6xxx) Upgrade Packages

**Table 6: Local Packages**

File Name	Upgrade From
Upgrade_6xxx_CE4.2_6.5.7_to_6.5.8_b.150511.image	6.5.7
Upgrade_6xxx_CE4.2_6.5.8_to_6.5.8_b.150511.image	6.5.8

**Table 7: Xcalibur Global Packages**

File Name	Upgrade From
Recovery_6xxx_6.5.6_b.123007.xcp	Recovery Package
Upgrade_6xxx_CE4.2_to_6.5.8_b.150511.xcp	Any CE 4.2 based firmware

## 1.4 Firmware 7.0.3 b.162601 (CE 6.0 on 2xxx) Upgrade Packages

**Table 8: Local Packages**

File Name	Upgrade From
Upgrade_2xxx_ThinX_1.1.2_b.100612_to_CE6.0_7.0.3_b.162601_with_Plug-ins.image	ThinX 1.1.2
Upgrade_2xxx_CE6.0_7.0.3_to_7.0.3_b.162601.image	Any CE 6.0 based firmware

**Table 9: Xcalibur Global Packages**

File Name	Upgrade From
Recovery_2xxx_CE6.0_7.0.3_b.162601.xcp	Recovery Package
Upgrade_2xxx_CE6.0_to_7.0.3_b.162601.xcp	Any CE 6.0 based firmware
Upgrade_2xxx_ThinX_1.1.2_b.100612_to_CE6.0_7.0.3_b.162601.xcp	ThinX 1.1.2

## 1.5 Firmware 1.1.2 b.100612 (ThinX on 2xxx) Upgrade Packages

**Table 10: Local Packages**

File Name	Upgrade From
Upgrade_2xxx_ThinX_to_1.1.2_b.100612	Any ThinX based firmware
Upgrade_2xxx_CE6.0_7.0.3_to_ThinX_1.1.2_b.100612.image	7.0.3 (CE 6.0)

**Table 11: Xcalibur Global Packages**

File Name	Upgrade From
Upgrade_2xxx_ThinX_to_1.1.2_b.100612.xcp	Any ThinX based firmware
Upgrade_2xxx_CE6.0_7.0.3_to_ThinX_1.1.2_b.100612.xcp	7.0.3 (CE 6.0)

## 1.6 Firmware 2.011.05 (Windows Embedded on EX-PC) Packages

**Table 12: Local Packages**

Name	File
EX-PC Image - Version 2.011.05	XPE.WIM



## 2 Local Plug-in Packages

**Table 13: Packages for CE 4.2 based firmware**

Name	Version	File
LPD Printer	4.20.07	LPD_Printer_4.20.07_CE4.2.plugins
Citrix ICA 10.09	10.09.05	Citrix_ICA_10.09_10.09_10.09.05_CE4.2.plugins
Customized System Screens	4.20.09	Customized_System_Screens_4.20.09_CE4.2.plugins
Chip PC VDI Connection Broker	1.00.17	VDI_Broker_1.00.17_CE4.2.plugins
ELO Touch Screen	1.00.13	ELO_Touch_Screen_1.00.13_CE4.2.plugins
Pericom Terminal Emulation	6.00.01	Pericom_Terminal_Emulation_6.00.01_CE4.2.plugins
Internet Explorer	6.00.15	Internet_Explorer_6.00.15_CE4.2.plugins
Remote Connection	4.20.04	Remote_Connection_4.20.04_CE4.2.plugins

**Table 14: Packages for CE 6.0 based firmware**

Name	Version	File
LPD Printer	4.20.07	LPD_Printer_4.20.07_CE6.0.plugins
Citrix ICA 10.09	10.09.05	Citrix_ICA_10.09_10.09_10.09.05_CE6.0.plugins
Customized System Screens	4.20.09	Customized_System_Screens_4.20.09_CE6.0.plugins
Chip PC VDI Connection Broker	1.00.17	VDI_Broker_1.00.17_CE6.0.plugins
ELO Touch Screen	1.00.13	ELO_Touch_Screen_1.00.13_CE6.0.plugins
Pericom Terminal Emulation	6.00.01	Pericom_Terminal_Emulation_6.00.01_CE6.0.plugins
Internet Explorer	6.00.15	Internet_Explorer_6.00.15_CE6.0.plugins
Remote Connection	4.20.04	Remote_Connection_4.20.04_CE6.0.plugins

**Table 15: Packages for ThinX based firmware**

Name	Version	File
Internet Browser	3.03.00	Internet_Browser_3.03.00.lpln
VDM Client	2.10.04	VDM_Client_2.10.04.lpln

### 3 Xcalibur Global Plug-in Packages

**Table 16: Packages for all firmware types**

Name	Version	File
Domain Authentication Provider	1.00.03	Domain_Authentication_Provider_1.00.03.xcp
Citrix ICA (10.09+11.00)	10.09.05	Citrix_ICA_(10.09+11.00)_10.09.05.xcp
VDM Client	2.10.04	VDM_Client_2.10.04.xcp

**Table 17: Packages for CE 4.2 and CE 6.0 based firmware**

Name	Version	File
LPD Printer	4.20.07	LPD_Printer_4.20.07.xcp
Customized System Screens	4.20.09	Customized_System_Screens_4.20.09.xcp
Chip PC VDI Connection Broker	1.00.17	VDI_Broker_1.00.17.xcp
ELO Touch Screen	1.00.13	ELO_Touch_Screen_1.00.13.xcp
Pericom Terminal Emulation	6.00.01	Pericom_Terminal_Emulation_6.00.01.xcp
Internet Explorer	6.00.15	Internet_Explorer_6.00.15.xcp
Remote Connection	4.20.04	Remote_Connection_4.20.04.xcp

**Table 18: Packages for ThinX based firmware**

Name	Version	File
Internet Browser	3.03.00	Internet_Browser_3.03.00.xcp

## ThinX 1.1.2 build 100612 - New Features and Fixes

Table 19 lists and describes new features and fixes introduced in the Chip PC client device firmware ThinX 1.1.2 build 100612, released in February 2010.

**Table 19: Firmware ThinX 1.1.2 build 100612**

#	Feature / Fix	Description
1.	NEW – Fiber tab in Device Settings	<p>A new tab named “Fiber” has been added to the LBT Configuration &gt; Device Settings. This tab offers options for the configuration of an SFP module.</p> <p>The SFP module can be set to one of the following modes:</p> <ul style="list-style-type: none"> <li>■ Auto</li> <li>■ 100FX</li> <li>■ 10/100/1000 Base-T</li> <li>■ 1000 SX</li> </ul> <p>Detailed information regarding the SFP module is also displayed in this tab.</p>
2.	NEW – Printers	<p>Added full support for 3 types of printers:</p> <ul style="list-style-type: none"> <li>■ LPR – Network Printers</li> <li>■ COM – Local serial printers</li> <li>■ USB – Local USB printers</li> </ul>
3.	NEW – Cross OS Upgrade	<p>Added support for cross OS upgrading. A device with this firmware can be upgraded to CE 6 based firmware (version 7.0.3 or above).</p>
4.	NEW – Citrix ICA11	<p>Upgraded built in Citrix ICA client to version 11. Added support for USB redirection</p>
5.	NEW – Citrix HDX Plug-n-Play	<p>Added support for Citrix HDX Plug-n-Play (USB Redirection) with ICA 11.</p>
6.	NEW – Ctrl + Alt + Right-Arrow	<p>When running sessions (RDP or ICA) in full screen mode, it is now possible to switch between windows using Ctrl + Alt + Right-Arrow.</p>

**Table 19: Firmware ThinX 1.1.2 build 100612- continued**

#	Feature / Fix	Description
7.	NEW – NetBIOS Naming Script Suffix	<p>A Suffix can now be added to a device NetBIOS name using the NetBIOS Naming Scheme policy.</p> <p>Example: <i>TC_%06MAC_ADDRESS%_SHOP</i></p> <p>This will cause all Thin clients affected by this policy to share a NetBIOS name with the prefix: <b>TC_</b> and the suffix <b>_SHOP</b>. In between the prefix and the suffix, the NetBIOS names will contain the <b>last 6 characters of the device MAC address</b>.</p>
8.	NEW – NetBIOS Naming Script Improved IP Address manipulation.	<p>Digits are retrieved from the IP Address without the separating dots.</p> <p>It is now possible to restrict the section of the IP Address from which digits are retrieved.</p> <p>For details see document: <i>How to Set the NetBIOS Name Using a Script via Xcalibur Global, ref# DG043H-2.0</i></p>
9.	NEW – USB CD/DVD Auto-mount	<p>Added support for auto-mount USB CD/DVD device. Desktop icon appears when mounted.</p>
10.	NEW – Logoff option	<p>Added an option to logoff the current user when using Domain User Authentication.</p>
11.	FIX – Optimized reconnection of Xcalibur Global client	<p>The behavior of the Xcalibur Global client has been optimized for reconnection to the server when client-server connectivity is interrupted, for example during Front End Server service restart.</p>
12.	FIX – NFS connection Bandwidth Optimization	<p>A new NFS auto-mount/auto-dismount mechanism has been implemented. This new mechanism optimizes the NFS connections between Xcalibur Global clients and the NFS server by reducing bandwidth utilization.</p>
13.	FIX – Improved Language Support	<p>Improved support for multilingual country languages such as: Belgium French/Dutch, Greek, Russian, Switzerland German/French</p>

## Image 7.0.2 build 142312 - New Features and Fixes

Table 20 lists and describes new features and fixes introduced in the Chip PC client device firmware 7.0.2 build 142312, released in February 2010.

**Table 20: Firmware Image 7.0.2 build 142312**

#	Feature / Fix	Description
1.	NEW – Screen Rotation	Added screen rotation option to the display tab. The display can be rotated by 90 or 180 to correspond with the rotation of the physical screen.
2.	NEW – Support Display 1920x1080	Added support for display resolution of 1920x1080.
3.	NEW – Dual Screen Hot Keys	Added option to set Hot Keys that can be used to turn off/on the displays in Dual Screen Clone mode.
4.	NEW – NetBIOS Naming Script Suffix	A Suffix can now be added to a device NetBIOS name using the NetBIOS Naming Scheme policy. Example: <i>TC_%06MAC_ADDRESS%_SHOP</i> This will cause all Thin clients affected by this policy to share a NetBIOS name with the prefix: <b>TC_</b> and the suffix <b>_SHOP</b> . In between the prefix and the suffix, the NetBIOS names will contain the <b>last 6 characters of the device MAC address</b> .
5.	NEW – NetBIOS Naming Script Improved IP Address manipulation.	Digits are retrieved from the IP Address without the separating dots. It is now possible to restrict the section of the IP Address from which digits are retrieved. For details see document: <i>How to Set the NetBIOS Name Using a Script via Xcalibur Global, ref# DG043H-2.0</i>
6.	NEW – Toggle between sessions	Added support for the Desktop Properties option “Set toggling key combination to CTRL+ALT+UP/DOWN”. When this option is selected the key combination CTRL+ALT+UP/DOWN (up/down arrow keys) will switch between active sessions. Known issue: With ICA will toggle only between current session and desktop and not between other sessions (RDP toggles between sessions).
7.	NEW – “MyWBT” Key-combo	New key combination WIN+Y will open the “MyWBT” dialog.

**Table 20: Firmware Image 7.0.2 build 142312 - continued**

#	Feature / Fix	Description
8.	NEW – CTRL+ALT+INSERT	Added support for the Desktop Properties option “Map CTRL+ALT+INSERT to CTRL+ALT+DEL in session”
9.	NEW – Password protect “Desktop” settings	The option to “Secure Terminal Settings” (Security tab) will now also protect “Desktop” settings in addition to the “Device” settings.
10.	NEW – Support Multiple Screens on 7600 models	Added support for multiple screen options on the 7600 device models (these models have two DVI-I connectors and can support up to 4 screens).
11.	FIX – Occasional ICA/RDP Session Freeze	Fixed issue of occasional ICA/RDP session freeze.
12.	FIX – NumLock turns off with device Log-off	Fixed issue where NumLock would turn off when performing log-off from the device.

## Image 7.0.3 build 162601 - New Features and Fixes

Table 21 lists and describes new features and fixes introduced in the Chip PC client device firmware 7.0.3 build 162601, released in February 2010.

**Table 21: Firmware 7.0.3 build 162601**

#	Feature / Fix	Description
1.	NEW – Cross OS Upgrade	Added support for cross OS upgrading. A device with this firmware can be upgraded to ThinX based firmware (version 1.1.2 or above).
2.	NEW – Use DDC for Display Information	Added option to use DDC to automatically set the optimal display resolution (only when display is connected to DVI).
3.	NEW – Citrix HDX MediaStream	Added support for Citrix HDX MediaStream (multimedia redirection) with ICA 10.

## Updated Plug-ins

Table 22 lists and describes new features and fixes introduced in the updated plug-ins released in February 2010.

**Table 22: Updated Plug-ins**

#	Feature / Fix	Description
<b>Citrix ICA 11.0.0</b>		
1.	NEW – USB redirection	Added support for USB device redirection and redirection rules in Xen Desktop.
<b>Ultra VNC</b>		
1.	NEW – Legal Notice in ThinX	Added support for a legal notice to the ThinX platform (already exists in CE). This feature enables the following options: <ul style="list-style-type: none"> <li>■ Notify the user when commencing remote control shadowing.</li> <li>■ Require user’s permission when attempting shadowing.</li> </ul>
2.	NEW – Improved Performance	Performance has been improved by introducing support for the following additional encoding algorithms: <ul style="list-style-type: none"> <li>■ ZRLE</li> <li>■ ZlibHex</li> <li>■ Hextile</li> </ul>
3.	NEW – Improved Graphic Support	Support for resolution of 1920x1080



**Table 22: Updated Plug-ins - continued**

#	Feature / Fix	Description
<b>Internet Browser</b>		
4.	NEW – Create Desktop Shortcuts	Shortcuts to pre-specified URLs can be created on the Desktop.
5.	NEW – Auto-start Desktop Shortcuts	Desktop Shortcuts can be configured to open automatically when the device boots.
6.	NEW – Customize Browser appearance via Xcalibur Global	The browser's appearance can be customized via Xcalibur Global policy. Various menus and tool-bars can be hidden to improve control over user access.
7.	NEW – Set PROXY via Xcalibur Global	Browser PROXY settings can be configured via Xcalibur Global.
8.	NEW – Set Home Page via Xcalibur Global	The Home Page can be configured via Xcalibur Global.
<b>Internet Explorer</b>		
1.	NEW – Custom URL Redirection	Internet Explorer now supports custom URL redirection.