



September 2010 Firmware and Software Updates

Release Notes

Document Version 2.0

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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 September 2010. The document describes the most recent functionality additions and fixes.

Components

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

- Local Firmware Upgrade Packages
- Xcalibur Global 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
2xxx based models	ThinX	1.1.3 b.151108
2xxx based models	CE 6.0	7.0.4 b.093008
7xxx based models	CE 6.0	7.0.2 b.132006

1.1 Firmware 1.1.3 b.100612 (ThinX on 2xxx) Upgrade Packages

Table 2: Local Packages

File Name	Upgrade From
Upgrade_2xxx_ThinX_to_1.1.3_b.151108 (folder)	ThinX 1.1.2 or higher
Upgrade_2xxx_CE6.0_7.0.3_to_ThinX_1.1.3_b.151108.image	7.0.3 (CE 6.0)
Upgrade_2xxx_CE6.0_7.0.4_to_ThinX_1.1.3_b.151108.image	7.0.4 (CE 6.0)

Table 3: Xcalibur Global Packages

File Name	Upgrade From
Upgrade_2xxx_ThinX_to_1.1.3_b.151108.xcp	ThinX 1.1.2 or higher
Upgrade_2xxx_CE6.0_to_ThinX_1.1.3_b.151108.xcp	CE 6.0 7.0.3 or higher

1.2 Firmware 7.0.4 b.093008 (CE 6.0 on 2xxx) Upgrade Packages

Table 4: Local Packages

File Name	Upgrade From
Upgrade_2xxx_ThinX_1.1.2_to_CE6.0_7.0.4_b.093008_with_Plug-ins.image	ThinX 1.1.2
Upgrade_2xxx_ThinX_1.1.3_to_CE6.0_7.0.4_b.093008_with_Plug-ins.image	ThinX 1.1.3
Upgrade_2xxx_CE6.0_7.0.3_to_7.0.4_b.093008.image	7.0.3 (CE 6.0)
Upgrade_2xxx_CE6.0_7.0.4_to_7.0.4_b.093008.image	7.0.4 (CE 6.0)

Table 5: Xcalibur Global Packages

File Name	Upgrade From
Upgrade_2xxx_CE6.0_to_7.0.4_b.093008.xcp	CE 6.0 7.0.3 or higher
Upgrade_2xxx_ThinX_to_CE6.0_7.0.4_b.093008.xcp	ThinX 1.1.2 or higher

1.3 Firmware 7.0.2 b.132006 (CE 6.0 on 7xxx) Upgrade Packages

Table 6: Local Packages

File Name	Upgrade From
Upgrade_7xxx_CE6.0_7.0.0_to_7.0.2_b.132006.image	7.0.0 (CE 6.0)
Upgrade_7xxx_CE6.0_7.0.1_to_7.0.2_b.132006.image	7.0.1 (CE 6.0)
Upgrade_7xxx_CE6.0_7.0.2_to_7.0.2_b.132006.image	7.0.2 (CE 6.0)

Table 7: Xcalibur Global Packages

File Name	Upgrade From
Upgrade_7xxx_CE6.0_to_7.0.2_b.132006.xcp	Any CE 6.0 based firmware

Local Plug-in Packages

Table 8: Packages for ThinX based firmware

Name	Version	File
Internet Browser	3.03.02	Internet_Browser_3.03.02.lpln
VDM Client	2.10.05	VDM_Client_2.10.05.lpln
Advanced Customized System Screens	5.20.11	Advanced_Customized_System_Screens_5.20.11.lpln
Multimedia Player	1.00.01	Multimedia_Player_1.00.01.lpln
Citrix ICA 11 Connection	11.00.04	Citrix_ICA_11.00.04.lpln
RDP Connection	2.00.04	RDP_Connection_2.00.04.lpln

Table 9: Packages for CE 6.0 based firmware

Name	Version	File
Citrix ICA 10.09 Connection	10.09.12	Citrix_ICA_10.09.12.plugins
Microsoft RDP Connection	6.00.14	Microsoft_RDP_6.00.14.plugins
WinVNC Server	4.20.15	VNC_Server_4.20.15.plugins

2 Xcalibur Global Plug-in Packages

Table 10: Packages for CE 6.0 & ThinX based firmware

Name	Version	File
Citrix ICA 10.09 and 11.00	10.09.13	Citrix_ICA_(10.09+11.00)_10.09.13.xcp
RDP Connection for Windows CE and Linux 2.0	6.00.14	RDP_Connection_for_CE_and_Linux_2.0_6.00.14.xcp
Ultra VNC	4.20.15	UltraVNC_Server_4.20.15.xcp
VDM Client	2.10.05	VDM_Client_2.10.05.xcp
2009 Resource Kit v.3	1.00.04	2009_Resource_Kit_v.3_1.00.04.xcp

Table 11: Packages for ThinX based firmware

Name	Version	File
Internet Browser	3.03.02	Internet_Browser_3.03.02.xcp
Advanced Customized System Screens	5.20.12	Advanced_Customized_System_Screens_5.20.12.xcp
Multimedia Player	1.00.01	Multimedia_Player_1.00.01.xcp

ThinX 1.1.3 build 151108 - New Features and Fixes

Table 12 lists and describes new features and fixes introduced in the Chip PC client device firmware ThinX 1.1.3 build 151108, released in September 2010.

Table 12: Firmware ThinX 1.1.3 build 151108

#	Feature / Fix	Description
1.	New Xcalibur Global Deployment Protocol	The device now supports using the native Xcalibur Global software deployment protocol in addition to NFS. This is now the default deployment protocol.
2.	New USB Device Management	The connection of USB devices can be disabled or enabled. Settings can vary based on device type. For increased security, the default for all devices is set to disabled.
3.	New 802.1x with certificate	Added support for 802.1x using certificate based authentication.
4.	New LPD Server on Device	<p>The device can now be configured to serve as an LPD server sharing its locally connected printers with other devices on the network.</p> <p>NOTE <i>Can only be configured using an Xcalibur Global policy. Requires the installation of the LPD plug-in on the Xcalibur Global server.</i></p> <ul style="list-style-type: none"> ■ When configuring the LPD server, the queue name must be changed from <i>Printer</i> to <i>lp0</i>. ■ When configuring the LPR client, the printer's friendly name must not include a blank. <p>NOTE <i>CE devices cannot connect to the ThinX LPD.</i></p>
5.	New Host name via DHCP	Added support for DHCP option ID 12 Host Name. The device host name can be set using the DHCP server.
6.	New New Linux Kernel	ThinX 1.1.3 is based on a new kernel v.2.6.31.13
7.	New USB Sound Device Support (ALSA)	Added support for USB sound devices. When a USB sound device is connected it will be automatically set as the default sound device.
8.	New Xcalibur Client SSL Cipher Selection	It is now possible to select the cipher used by the Xcalibur Global client for SSL encryption. The default cipher is compatible with both Windows Server 2003 and 2008.

Table 12: Firmware ThinX 1.1.3 build 151108- continued

#	Feature / Fix	Description
9.	New ICA, RDP and Multimedia Player are now Plug-ins	The Citrix ICA client, RDP client and Multimedia Player, have been removed from the firmware and are available as separate plug-ins.
10.	New Disable Access to Local Applications	For enhanced security, access to local applications such as the Text Editor, has been disabled.
11.	New "Desktop Loading" message	A Message "Loading desktop, please wait..." will appear after startup until the desktop has completed loading.
12.	New Boot Screen	A new boot screen has been introduced. The screen conceals boot messages that were previously visible.
13.	<i>Fix</i> Various keyboard issues fixed	Various keyboard issues such as single keyboard layout and keyboard mapping of the "?" key have been fixed.
14.	<i>Fix</i> Mouse Pointer Settings via Xcalibur Global Policy	Fixed issue where Mouse Pointer settings that were sent via an Xcalibur Global Policy were not implemented correctly on the local device.
15.	<i>Fix</i> Energy Saving, Auto Turn Off Monitor	Fixed issue where monitor would not turn off after time specified in the device "Energy Saving Scheme".

Image 7.0.4 build 093008 - New Features and Fixes

Table 13 lists and describes new features and fixes introduced in the Chip PC client device firmware 7.0.4 build 093008, released in September 2010.

Table 13: Firmware 7.0.4 build 093008

#	Feature / Fix	Description
1.	New 32bit Color Depth	Device now supports 32 bit depth True Color (previously 24 bit).
2.	<i>Fix</i> COM port now fully functional	Fixed issue where COM port was not functioning properly.

Image 7.0.2 build 132006 - New Features and Fixes

Table 14 lists and describes new features and fixes introduced in the Chip PC client device firmware 7.0.2 build 132006, released in September 2010.

Table 14: Firmware 7.0.2 build 132006

#	Feature / Fix	Description
1.	New 32bit Color Depth	Device now supports 32 bit depth True Color (previously 24 bit).

Updated ThinX Plug-ins

Table 15 lists and describes new features and fixes introduced in the updated ThinX plug-ins released in September 2010.

Table 15: Updated Plug-ins

#	Feature / Fix	Description
Citrix ICA		
1.	New Support for session encryption	Added support for all types of ICA session encryption ¹ .
2.	New Root Certificate for ICA	Added option to provide the device with a root certificate for the ICA plug-in. This certificate can be used by the device for ICA Secure Gateway and for ICA SSL Relay.
3.	<i>Fix</i> PNAgent Application Refresh when New User logs-on	When using PNAgent and changing the current logged on user, the applications of the previous user will no longer appear.
RDP (rdesktop)		
4.	New Server 2008 R2 Fully Compatible	RDP client is fully compatible with Windows Server 2008 R2, Remote Desktop Services.
5.	New Persistent Connection	Added a persistent connection option to the RDP connection settings. When this option is selected the connection cannot be terminated.
6.	<i>Fix</i> White Mouse Pointer in 2008 R2 Session	In a 2008 R2 RDP session the mouse pointer will now appear in white (previously black).
7.	<i>Fix</i> RDP Session Redirection	Fixed issue where RDP session redirection would truncate user name.
8.	<i>Fix</i> USB Device in 2008 SP2 Session	Fixed a USB device access issue that occurred in RDP sessions on Windows 2008 Server with service pack 2.

¹ Session encryption type "128-Bit Login Only" is not supported for Citrix Presentation Server 4.5.

Table 15: Updated Plug-ins - continued

#	Feature / Fix	Description
VNC Server		
9.	New VNC Server Run On Startup.	<p>By default the built-in VNC server is only activated when “Remote Control” is initiated in the Xcalibur Global Management Console. It is now possible to configure the VNC server to run on device startup allowing remote control via any standalone VNC client.</p> <p>NOTE <i>To configure this option via Xcalibur Global, create an installation policy for the VNC plug-in.</i></p> <p>NOTE <i>Selecting this option could result in reduced performance due to increased memory consumption.</i></p>
Multimedia Player		
10.	New Separate Plug-in.	The Multimedia Player was removed from the firmware and is now available as a separate plug-in.
VDM Client		
11.	Compatibility with ThinX 1.1.3	Minor adjustments were made to ensure compatibility with the ThinX 1.1.3 firmware.
Internet Browser		
12.	Compatibility with ThinX 1.1.3	Minor adjustments were made to ensure compatibility with the ThinX 1.1.3 firmware.
Advanced Customized System Screens		
13.	Compatibility with ThinX 1.1.3	Minor adjustments were made to ensure compatibility with the ThinX 1.1.3 firmware.
2009 Resource Kit v.3		
14.	New Xcalibur Global Policies	The Resource Kit adds Xcalibur Global Policy settings to support new features that have been made available in the ThinX 1.1.3 firmware. For details see the following section.

Updated CE 6.0 Plug-ins

Table 16 lists and describes new features and fixes introduced in the updated CE 6.0 plug-ins released in September 2010.

Table 16: Updated Plug-ins

#	Feature / Fix	Description
VNC Server		
1.	<i>Fix</i> VNC Issue with RDP/ICA Session on 7.0.2.	Fixed issue where VNC would crash when shadowing a device with firmware 7.0.2 and an active RDP or ICA session.
2.	<i>Fix</i> VNC Issue with LPR and Internet Explorer	Fixed issue where VNC would crash when the shadowed device had and LPR port enabled and Internet Explorer was activated.
Citrix ICA		
3.	<i>Fix</i> Resolved issue ignoring 2 nd server location parameters	Fixed issue where parameters from the 2 nd location server parameters..
Microsoft RDP		
4.	<i>Fix</i> Enhanced Support for Sound on MS 2008 Servers.	Improved support and eliminated minor issues with sound in session running on Microsoft 2008 servers.

2009 Resource Kit v.3

The Resource Kit adds Xcalibur Global Policy settings to support new features that have been made available in the ThinX 1.1.3 firmware.

Table 17 lists and describes new policy options added by the 2009 Resource Kit v.3.

Table 17: 2009 Resource Kit v.3

#	Path / New Option
	Device Configuration \ Windows Components \ Shell \ Start menu and taskbar
1.	Hide Upgrade Item from Setting menu
2.	Show Network status
3.	Show Process status
4.	Hide Log Off item from start menu
5.	Hide application item from start menu
6.	Hide Reboot item from start menu
7.	Hide Shutdown item from start menu
	Device Configuration \ Peripheral Settings \ Input/Output Device Setting
8.	Use DDC info if available
9.	Enable Video
10.	Disable Advanced Session Language Behavior
	Device Configuration \ Network and Communications \ Network Behavior \ Network Authentication
11.	Mount Point
12.	NFS Parameters
13.	Enable 802.1x for Wired Network
	Device Configuration \ Peripheral Settings \ Input/Output Device Settings
14.	Display Properties
15.	Power Management
16.	Screen Saver Settings
17.	Display Hotkeys

Table 17: 2009 Resource Kit v.3 - continued

#	Path / New Option
	Device Configuration \ Peripheral Settings \ Peripheral Port Settings
18.	USB Controller Custom Properties
	Device Configuration \ Network and Communications \ Protocols \ Custom Protocol
19.	SSL Cipher Value
	Device Configuration \ Installable Software Modules \ Deployment Settings
20.	Deployment Protocol
	Device Configuration \ 2007 Resource Kit v.2 \ Security \ Certificate
21.	Private Key for Linux