

Printing and Imaging Support on HP Compaq Thin Clients



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Overview

Thin clients are primarily designed:

- For use with terminal sessions using Microsoft Remote Desktop Protocol (RDP).
- For use with terminal sessions using rdesktop.
- For use with terminal sessions using Citrix Independent Computing Architecture (ICA).
- And/or as green screen terminal replacements.

Due to this design goal, HP thin clients provide limited local printing support for the wide range of printers available today.

HP Compaq thin clients do not support document scanning devices, whether standalone or integrated into Multifunction or All-in-One Printers. This is not a limitation of the HP Compaq thin client, but a by-design function of the small-footprint software image installed on the thin client, which includes a minimum of operating system components. Thin clients are designed for session-oriented computing, not for the heavy local use that scanning requires. Typically, thin clients are connected to server sessions which access networked printers.

Local Printing (Client Printers): Client printers are available to a thin client before a terminal server session is launched. This includes printers that are physically attached to a thin client or printers that are logically mapped through the network.

Terminal Services Printing Support (Server Printers): Server printers are in terminal server environments in which the terminal server has direct access to the print queue. This includes standard network printers that are accessible using a `\\servername\printername share`. Server printers may also include printers where the print queue is located locally on the terminal server, and printers that are directly connected to the terminal server.

Microsoft Windows XP Embedded Operating System

Local Printing

HP Compaq thin clients with the Windows XP Embedded operating system include a generic printer driver for printing from the browser or other local applications. This driver maps to various printers for text-based generation. Customers wanting graphics-based printing should install the third-party driver accompanying the printer; however, the following options are not supported:

- Printer management utilities
- Multifunction utilities for copying and scanning

Twain driver

A scanner support add-on is available from HP that provides the operating system dependencies and Twain driver needed for scanning. After installing this add-on package, you must separately install scanner specific drivers and utilities from the 3rd party scanner vendor.

Please contact Citrix for TWAIN Redirection support or your scanner vendor for additional information.



Terminal Services Printing Support

If the local client detects and supports the printer, then full function printing using port redirection through Citrix ICA or Microsoft RDP is supported for parallel and USB printers if the appropriate printer driver is loaded on the terminal server. Please check printer documentation to ensure that Terminal Services or Citrix Metaframe Presentation Server is supported by your printer.

When running an ICA or RDP session, you cannot print from a local application. The terminal server session has control of the printer port and will not release to the local application.

Microsoft Windows CE Operating System

Local Printing

HP Compaq thin clients with Windows CE include Westtek Jetset Print for printing from the browser or other local applications. Jetset Print drivers are based upon industry standard printer languages and provide compatibility for select Hewlett Packard, Epson, and Cannon parallel and USB printers as follows:

- Hewlett Packard PCL3 or higher version compatible Hewlett Packard printers
- Cannon BJC compatible Cannon printers
- Epson ESC/P2 and ESC/P compatible Epson printers
- Postscript compatible printers

Please check your printer documentation or contact your printer supplier to determine if your printer is compliant with the above standards. A list of HP tested and supported printers is available in the product Quickspecs. Please see www.hp.com for the latest Quickspecs. HP cannot guarantee that a printer will function properly if it is not on the list of tested printers for HP Compaq thin client products. Be sure to test printer compatibility in your deployment environment.

For a list of compatible printers, see the Westtek Web site at <http://www.westtek.com/support/pocketpc/jetset.html>

NOTE: HP is not responsible for the accuracy of Westtek's list of compatible printers.

Terminal Services Printing Support

If the printer is supported and detected by the local client, full function printing using port redirection through Citrix ICA or Microsoft RDP is supported for parallel and USB printers if the appropriate printer driver is loaded on the terminal server. Please check printer documentation to ensure that Terminal Services or Citrix Metaframe Presentation Server is supported by your printer.

When running an ICA or RDP session, you cannot print from a local application. The terminal server session has control of the printer port and will not release to the local application.



Linux Operating System

Local Printing

You can configure the thin client for local printing from some local applications, such as an Internet browser, or for plain ASCII text printing. The printer must be recognized by the Linux operating system and properly configured.

Terminal Services Printing Support

If the local client supports and detects the printer, full function printing using port redirection through Citrix ICA is supported for parallel and USB printers if the appropriate printer driver is loaded on the terminal server. Please check printer documentation to ensure that Citrix Metaframe Presentation Server is supported by your printer.

Local printing from rdesktop is not supported, as the current version of rdesktop does not provide for printer port redirection from the server to the client.

While running an ICA or rdesktop session, you cannot print from a local application. The terminal server session has control of the printer port and will not release to the local application. The user must disconnect from the terminal server session to release the printer port back to the local client.

For more information, see the HP Thin Client Linux FAQ at <http://h20000.www2.hp.com/bc/docs/support/SupportManual/c00491293/c00491293.pdf>.



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