

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), rdesktop, 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.

Document scanning devices, whether they are standalone devices, or integrated into Multifunction or All-in-One Printers, are not supported on HP Compaq thin clients. This is not a limitation of the HP Compaq thin client, but a function of the by-design, 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 and not for heavy local use, which scanning requires. Thin clients are typically connected to server sessions which access networked printers.

Local Printing (Client Printers): Client printers are printers available to a user's 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 printers in terminal server environments in which the terminal server has direct access to the print queue. This includes standard network printers that are accessible via a \\servername\printername share. It 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, in any case:

- Printer management utilities
- Multifunction utilities for copying and scanning
- TWAIN driver support

Terminal Services Printing Support:

If the printer is supported and detected by the local client, full function printing via 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, printing from a local application will not function. The terminal server session has control of the printer port and will not release to the local application.



Microsoft Windows CE .Net Operating System

Local Printing:

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

- 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 on the Quickspecs for the product. Please see www.hp.com for the latest Quickspecs. HP cannot guarantee that any printer that is not on the list of tested printers for HP Compaq thin client products will function properly. Be sure to test printer compatibility in your deployment environment.

For a list of compatible printers, you may visit the Westtek Web site; <http://www.westtek.com/support/pocketpc/jetcet.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 via 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, printing from a local application will not function. The terminal server session has control of the printer port and will not release to the local application.



Linux Operating System

Local Printing:

The thin client may be configured 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 printer is supported and detected by the local client, full function printing via 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, printing from a local application will not function. 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://h200007.www2.hp.com/bc/docs/support/SupportManual/c00241913/c00241913.pdf>



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