

# AB300X Server Console Solution User Guide

## User Guide

HP Part Number: AB300-90006\_ed5  
Published: May 2010  
Edition: 5



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# About This Document

This guide provides instructions for using the AB300X Server Console Solution. This solution uses an HP Thin Client as a terminal emulator for the HP 9000 and Integrity servers.

The HP 9000 and Integrity servers use a character cell (“dumb”) terminal over a serial RS232 connection to act as the console for the system. This approach is used because the console must communicate with server hardware over a simple link that does not require an active server OS. Traditional dumb terminals offer limited functionality and are increasingly difficult to supply.

## Book Layout

This document contains the following chapter:

- Chapter 1 (page 7)

## Intended Audience

This guide is intended for installers and administer servers.

## Printing History

The Printing History below identifies the edition dates of this manual. Updates are made to this document on an unscheduled, *as needed*, basis. The updates will consist of a complete replacement of this document and pertinent on-line or CD-ROM documentation.

First Edition	February 2004
Second Edition	July 2004
Third Edition	September 2007
Fourth Edition	December 2008
Fifth Edition	May 2010

## Related Information

Additional reference information on configuring and using the AB300X components are available in HP Thin Client:

- Troubleshooting Guides
- Hardware Reference Guides
- Administrator's Guides

These documents can be found at <http://www.hp.com/go/bizsupport/> by entering: “HP Thin Client,” the appropriate Thin Client model number, and type of guide in the search box.

# Typographic Conventions

The following notational conventions are used in this publication.



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**WARNING!** A warning lists requirements that you must meet to avoid personal injury.

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**CAUTION:** A caution provides information required to avoid losing data or avoid losing system functionality.

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**NOTE:** A note highlights useful information such as restrictions, recommendations, or important details about HP product features.

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- **Keyboard keys and graphical interface items (such as buttons, tabs, and menu items)** are represented using **this font**.  
Examples: The **Control** key, the **OK** button, the **General** tab, the **Options** menu.
- **Menu→Submenu** represents a menu selection you can perform.  
Example: “Select the **Partition→Create Partition** action” means you must select the **Create Partition** menu item from the **Partition** menu.
- Example screen output is represented using **this font**.

## HP contact information

For the name of the nearest HP authorized reseller:

- In the United States, see the HP US service locator webpage (<http://welcome.hp.com/country/us/en/wwcontact.html>.)
- In other locations, see the Contact HP worldwide (in English) webpage: <http://welcome.hp.com/country/us/en/wwcontact.html>.

For HP technical support:

- In the United States, for contact options see the Contact HP United States webpage: ([http://welcome.hp.com/country/us/en/contact\\_us.html](http://welcome.hp.com/country/us/en/contact_us.html))

To contact HP by phone:

- Call 1-800-HP-INVENT (1-800-474-6836). This service is available 24 hours a day, 7 days a week. For continuous quality improvement, calls may be recorded or monitored.
- If you have purchased a Care Pack (service upgrade), call 1-800-633-3600. For more information about Care Packs, refer to the HP website: (<http://www.hp.com/hps>).
- In other locations, see the Contact HP worldwide (in English) webpage (<http://welcome.hp.com/country/us/en/wwcontact.html>)

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Include the document title and manufacturing part number. All submissions become the property of HP

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# 1 Thin client operation

## Routine thin client care

Use the following information to properly care for your thin client:

- Never operate the thin client with the outside panel removed.
- Keep the thin client away from excessive moisture, direct sunlight, and extreme heat and cold. For information about recommended temperature and humidity ranges for the thin client, see product specifications.
- Keep liquids away from the thin client and keyboard.
- Turn off the thin client and wipe the exterior with a soft, damp cloth as needed. Using cleaning products may discolor or damage the finish.

## Configuring the AB300X as an RS-232 Console

The following section describes how to create a terminal emulator session, how to create an auto log on user account, and how to configure the terminal emulator session to automatically launch when the thin client is rebooted for any reason.



**NOTE:** There is currently no method of saving these configuration parameters to a file that can be retrieved at a later time. Therefore, it is imperative that all configuration parameters are recorded for future use.

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## Creating a Terminal Emulator Session

To create a terminal emulator session, perform the following steps:

1. Connect the HP Thin Client unit using the supplied DB9 Serial Cable (5184–1894) to the serial port of the HP 9000 server.
2. Select **Start**→**Programs**→**Connection Administrator**.
3. Press the **Add** button.
4. Choose **Terminal Emulation**.
5. From the HP Connection Window, run the new terminal Emulation wizard.
6. Create a **Connection Name** for this section.



**NOTE:** Please note that the console solution supports two of the available teemCE emulations: VT 100 and HP 700–92/96 emulation mode, click the **Emulation** dropdown list to select **HP700–92/96** emulation mode. Click the **Terminal ID** dropdown list to select **70092** and click **Next**.

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7. If using the HP700–92/96 emulation mode, click the **Emulation** dropdown list to select **HP700–92/96** emulation mode. Click the **Terminal ID** dropdown list to select **70092** and click **Next**.

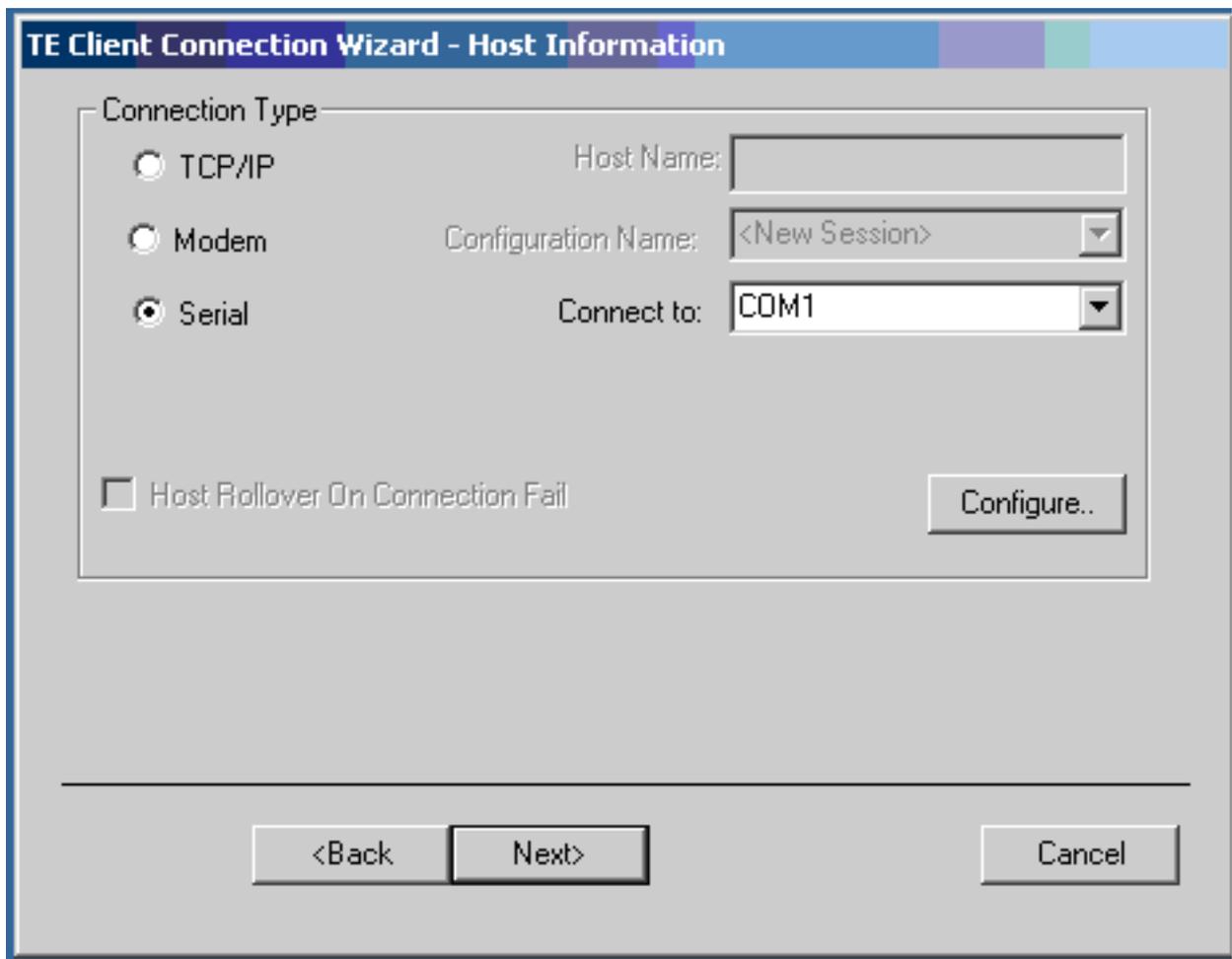
Figure 1-1 Connection Information

The screenshot shows a dialog box titled "TE Client Connection Wizard - Connection Information". It contains the following fields and controls:

- Connection Name:** A text input field containing "connection1".
- Emulation:** A dropdown menu currently showing "HP700-92/96".
- Terminal ID:** A dropdown menu currently showing "70092".
- International Settings:** A button located below the Terminal ID dropdown.
- Operating Language:** A dropdown menu currently showing "English".
- Navigation Buttons:** At the bottom, there are three buttons: "<Back", "Next>", and "Cancel".

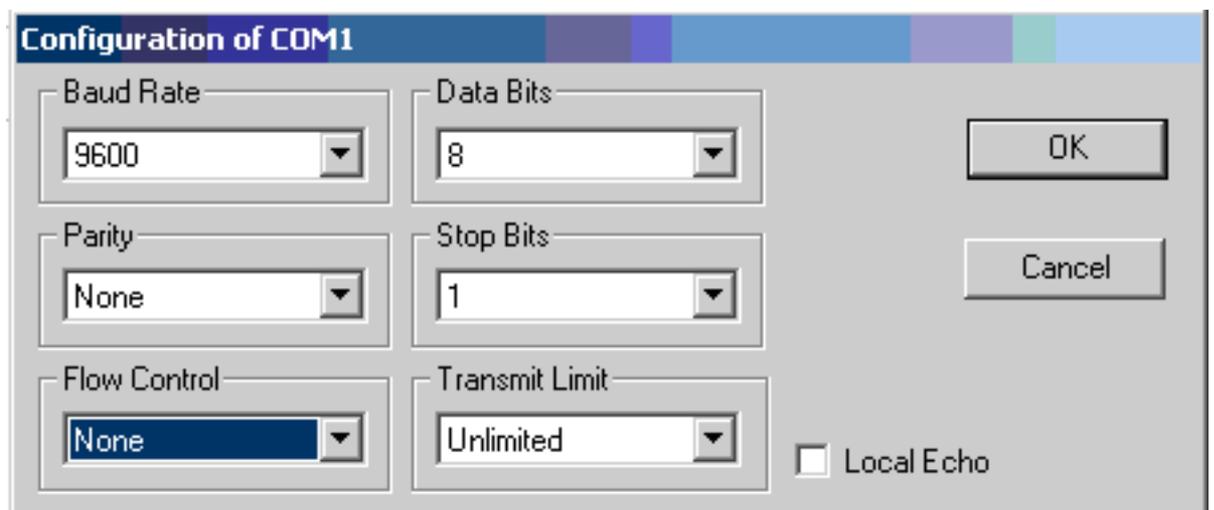
8. If selecting the VT100 emulation mode, click the **Emulation** dropdown list to select the **VT100** emulation mode.  
Enter the required **VT Terminal ID** setting and click **Next**.
9. Select **Serial**, and click the **Configure** button.

**Figure 1-2 Host Information**



10. Select **None** in the **Flow Control** dropdown list.

**Figure 1-3 Configuration of COM1**



11. Click **OK** to accept and close the **Configuration of COM1** dialog box.
12. Click **Next** on the **Host Information** window.
13. From the **Advanced Options** page, choose preferred options.

14. The Connection Wizard will create an icon with the same name you chose for the Connection Name. This icon will appear in the HP Connection window and on the desktop. Click this icon to launch the terminal emulation session.
15. Press the **Enter** key to access the log in prompt.
16. To log in, enter the user name and user password assigned by the System Administrator.

## Creating the Auto Log On User Account

1. Create a login user by selecting **Start**→**Settings**→**Control Panel**.
2. Double click the **Security** icon and select the **Users** table.
3. Create a new user, such as "vt-100 user", by clicking **Add** and entering the new user name. Click **OK**.



**NOTE:** Do not assign a password for the new user at this time.

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4. Select the **System** tab on the **Security** screen. Select the new user name you just created as the account by clicking on the **Account** drop down menu and selecting the new user name. Click **OK**.
5. Close the **Control Panel** by clicking on the **X** in the upper right hand corner of the screen.

## Configuring the TEC Session to Launch at Reboot

1. Create a TEC session, see "Creating a Terminal Emulator Session" (page 7).  
Assign a name to the connection, such as "connection1 (TEC)."
2. Select **Start**→**Programs**→**Connection Administrator**.
3. Click the **Advance** button.
4. Select the **Global UI** tab.
5. Select the **Auto Start Connection Administrator when Logging into Windows** tab.



**NOTE:** When creating a new profile, a default name of "New Profile" is created. Highlighting the newly created profile name, then single-clicking within the name text will allow the name to be modified.

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6. Select the **Assign Connection** tab.
7. Select the proper User in the drop down.
8. On the available connection window on the left, double click on the TEC session name created earlier.
9. On the right hand side of the screen, single click the "No" under auto.
10. Under **Connection Options**, select the **Automatically Connect** option. Under **Windows Start Mode**, select **Kiosk**. Click **OK**.

11. Reboot. The TEC session will launch at reboot.



**NOTE:** When using “Kiosk” mode within the “Windows Start Mode,” the only application available for the user will be the configured terminal emulator after a thin client reboot. When using the “Auto” mode within the “Windows Start Mode,” the emulator will automatically launch after a thin client reboot, but full system access will be available to the user.

If “Kiosk” mode is selected, and the administrator wishes to access administrative features of the thin client, then the thin client must be rebooted. **The reboot must be performed by recycling power on the thin client.** During the reboot, a small window will appear with a 5 second countdown. During this countdown, pressing **Alt + F4** will interrupt the boot, and allow the administrator to log in. If the administrator password has been set, the password will also be required.

**NOTE:** Modes other than “Kiosk” can be selected. The following is a description of all available modes:

**Auto:** Automatically starts HP Connection Administrator, HP Connection Window, and Windows Explorer.

**Manual:** Automatically starts Windows Explorer and HP Connection Window. There is an HP Connection Administrator option in the **Start** menu and an HP Connection Administrator icon in the HP Connection Window that can be selected to run HP Connection Administrator.

**Shell:** This mode is used to lock down the terminal with limited functionality. This automatically starts HP Connection Administrator without access to Windows Explorer.

**Kiosk:** This mode is used to fully lock down the terminal. It automatically runs the Connection with no user interface. If you want the terminal to run in Kiosk mode, you *must* select the **Automatically Connect** and **Automatic Failure Recovery** Connection Options at the Profile level.

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