

Atrust mt188L Mobile Thin Client User Manual

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Atrust mt188L Mobile Thin Client Atrust Linux OS | Basics **User's Manual** Version 2.05.51 Copyright © 2017-23 Atrust Computer Corp.

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About This User's Manual

This manual provides basic instructions on how to use Atrust mt188L mobile thin clients.

Document Structure and Subjects

Chapter	Subject	
1	Provides an overview of Atrust mt188L mobile thin clients.	
2	Provides the basics of how to use Atrust mt188L mobile thin clients.	

Notes, Tips, and Warnings

Throughout this manual, the notes, tips, and warnings in the following formats are used to provide important information, useful advice, and prevent injuries to you, damage to your devices, or loss of data on your system.



NOTE

A note provides important information for a specific situation.



TIP

• A tip gives a piece of useful advice to perform a task more efficiently.



WARNING

 A warning provides crucial information that must be followed to prevent injuries to you, damage to your devices, or loss of data on your system.

Overview

1.1 Introduction

Desktop virtualization provides a new perspective to reconsider the design and implementation of an IT infrastructure. In a desktop virtualization infrastructure, a station is no longer a cumbersome desktop, but simply an endpoint device for users to access delivery services from the server(s).

With the introduction of the desktop virtualization technologies, you can considerably benefit from:

- On-demand applications/desktops
- · Centralized management of work environments
- Drastically reduced endpoint software/hardware issues
- · Simplified system maintenance and improved system security
- · More scalability with low-cost endpoint devices

1.2 Features

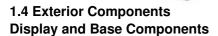
The key features of Atrust mt188L mobile thin clients are:

- Built-in Wireless 802.11 ac/a/b/g/n, Bluetooth 4.2, and Ethernet network interface
- Support for a wide range of desktop virtualization solutions from industry-leading companies:
 - Microsoft® Remote Desktop
 - Citrix® XenApp™, XenDesktop®, VDI-in-a-Box™, Virtual Apps and Desktops™
 - VMware® View™ and Horizon View™
- · Support for high-definition technologies
 - Microsoft® RemoteFX®
 - Citrix® HDX™
 - VMware® View™ PCoIP®
- Support for SPICE, ThinLinc, Parallels, Ericom and AnyDesk
- Simple click-access to various applications/desktops
- Support for both local and remote management

1.3 Package Contents

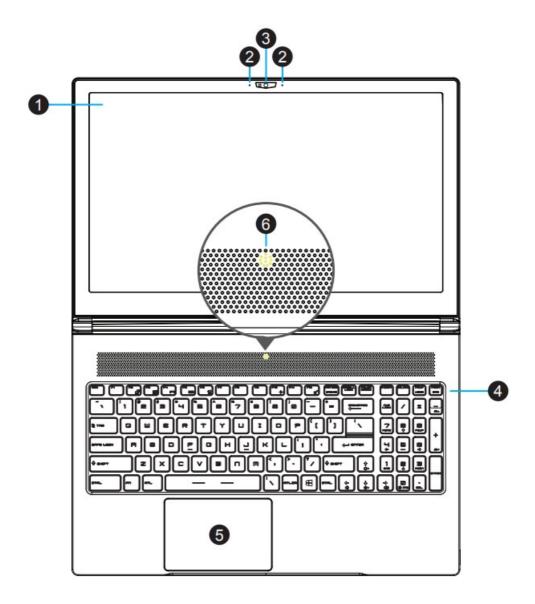
Please check your package contents. Ensure that all of the items are present in your package. If any items are missing or damaged, please contact your dealer immediately.

Atrust mt188L



AC adapter

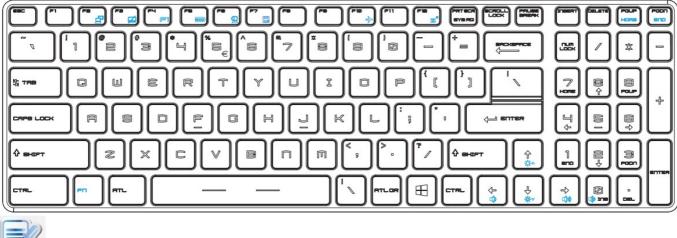




No.	Sign	Component	Description
1		LCD display	Built-in display for visual output.
2		Microphone	Built-in microphone for audio input.
3		Webcam (optional)	Built-in video camera for real-time video.
4		Keyboard	Built-in keyboard for control and input.
5		Touchpad	Built-in pointing device for control and input.
6		Power LED	 Glows yellow when the system is on. Goes off when the system is off. Glows red when the system is in Sleep mode.

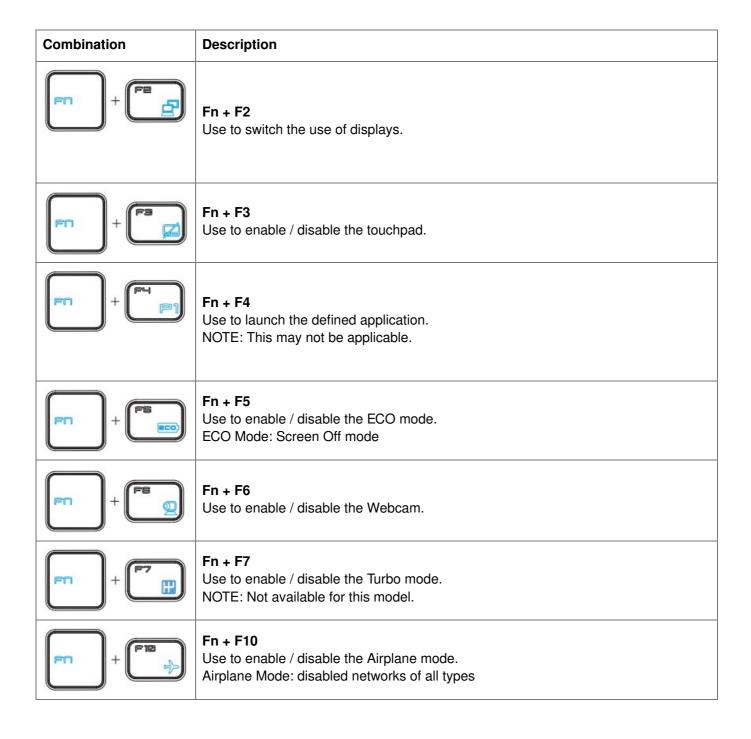
Fn Key Combinations

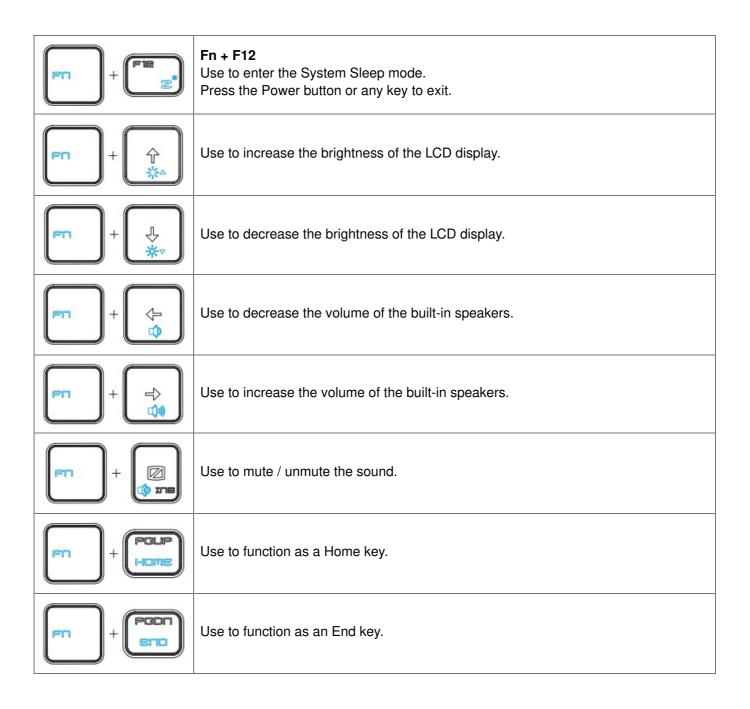
With the combination of Fn plus another specific key (with one printed blue symbol on it), you can quickly adjust hardware settings to suit your needs.

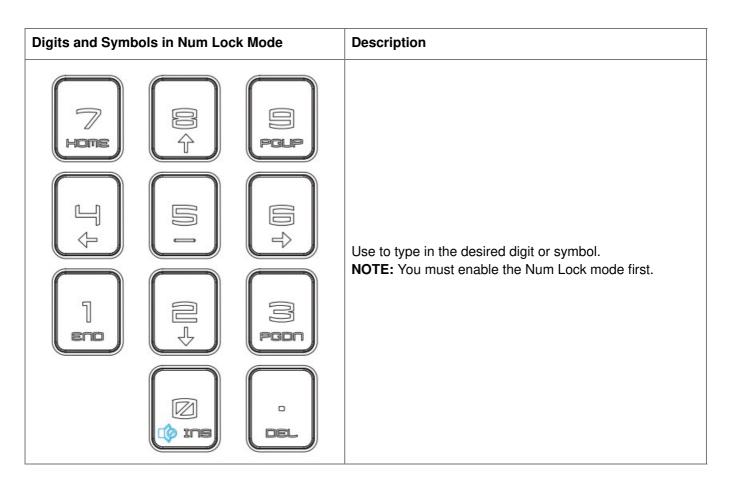


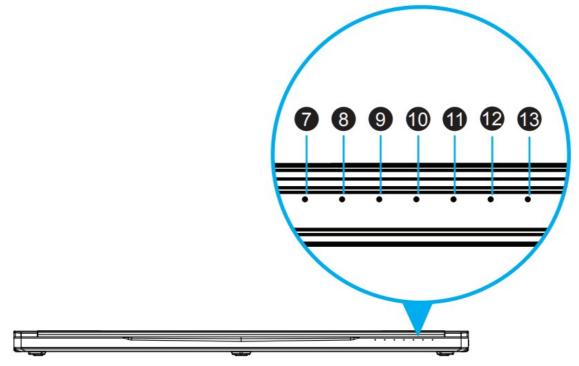


• To use an Fn key combination, press and hold Fn, and then press another key.



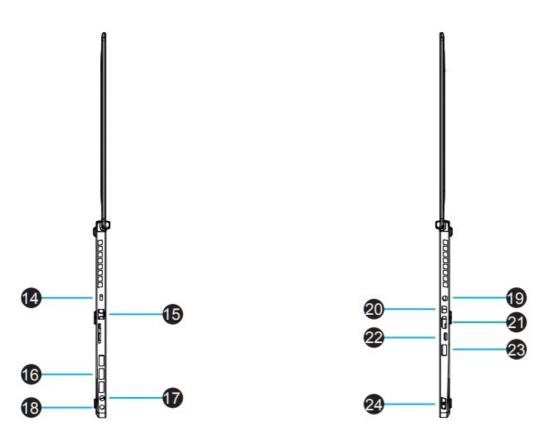






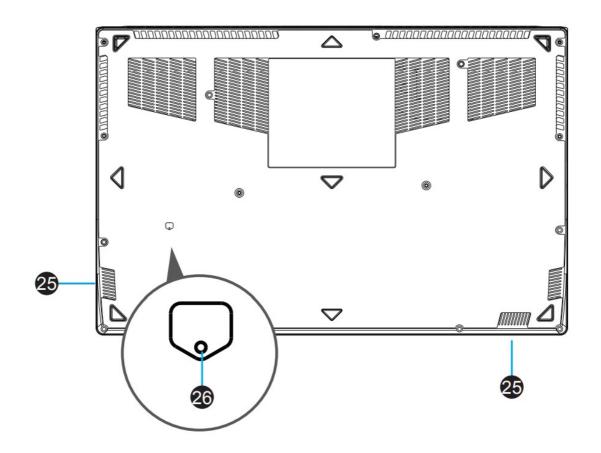
No.	Sign	Component	Description
7		Sleep mode LED	Glows orange when in Sleep mode.
8	0	Storage LED	Blinks blue when flash memory is being accessed.
9	1	Num Lock LED	Glows blue when Num Lock is enabled.
10	Α	Caps Lock LED	Glows blue when Caps Lock is enabled.
11	*	Bluetooth LED	Glows blue when Bluetooth is enabled.
12	E	Wireless LED	Glows blue when Airplane mode is enabled. Airplane mode: disabled networks of all types
13	[+)	Battery LED	 Glows orange when the battery is being charged. Glows blue when the battery is fully charged. Blinks orange when the battery power is low.

Left and Right Side Components



No.	Sign	Component	Description	
14	-88-	Kensington securit y slot	Connects a Kensington cable to secure the mobile thin client.	
15		LAN port	Connects to a network.	
16	SS	USB port (USB 3. Connects to a USB device.		
17		Headphone port	Connects to a set of headphones or a speaker system.	
18		Microphone port	Connects to a microphone.	
19	===	DC IN	Connects to an AC adapter.	
20	IP)	mini DisplayPort	Connects to a mini DisplayPort monitor, a high quality digital au	
21	нэті	HDMI port	visual device, or a USB Type-C device. NOTE: Only one interface could be used at a time. If you use mor	
22		USB Type-C	e than one interface, attached devices may not work properly.	
23	0	USB port (USB 2. 0)	Connects to a USB device.	
24	(h)	Power button	 Press to power on your mt188L when the lid is opened. Press to enter Sleep mode when your mt188L is on. 	

Bottom Components



No.	Sign	Component	Description
25		Speaker	Built-in speakers for audio output.
26		Battery Off hole	Used to press the button inside to enter the Battery Sleep mode. Please see "About the Battery Sleep Mode" on page 9 for details.

1.5 Before Getting Started About the Battery Sleep Mode

For first time use, you must connect your mt188L to a power outlet using the supplied AC adapter for the built-in battery to exit the Sleep mode.

To enter the Battery Sleep mode when needed, please do the following:

- 1. Shut down and unplug your mt188L.
- 2. Use the tip of an unfolded paper clip (or a similar object without a sharp tip) to gently press the button inside the Battery Off hole.

NOTE

• Please note that, to exit the Battery Sleep mode and power on your mt188L, you will need to plug it in first using the supplied AC adapter.

Opening the Lid of Your mt188L

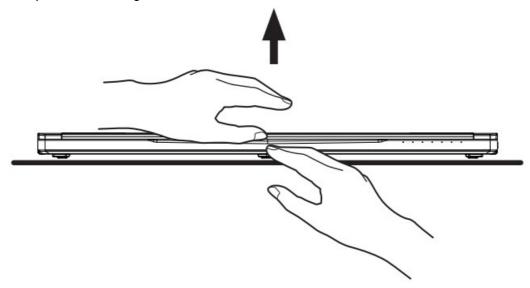
To open the lid of your mt188L, please do the following:

NOTE

- It's highly recommended to open the lid of your mt188L with the following steps to prolong the life of the hinge.
- 1. Place your mt188L on a flat surface.



2. As shown below, use one hand to fix your mt188W through the middle of the base, and then use the other hand to lift and open the lid through the middle of the lid.



2.1 Learning the Basics

The following topics will guide you through the basics of using your thin client:

Topic 1: Atrust Quick Connection

Topic 2: Setting Up a Wireless Connection

Topic 3: Configuring the Time Zone

Topic 4: Accessing Desktops or Applications

- Microsoft Remote Desktop Services (RDP sessions)
- Citrix Virtual Services (ICA sessions)
- VMware View or Horizon View Services (View sessions)

Topic 5: Using Built-in Applications

Topic 6: Viewing and Managing the Use of Power

NOTE

• Three client modes are available for your thin client:

No.	Mode	Description		
1	Appliance	The client will start up directly with the desired RDP / ICA / View / Web browser / SP ICE / 2X / ThinLinc session and perform the configured action after exiting the session. Available actions include: Re-launching a new session Restarting the thin client Turning off the thin client		
2	Autostart	The client will start up directly with the desired RDP / ICA / View / Web browser / SP ICE / 2X / ThinLinc / Ericom session and perform the configured action after exiting the session. Available actions include (n/a to Web browser): Returning to the local desktop Re-launching a new session Restarting the thin client Turning off the thin client		
3	Quick Connection	The default. The client will enter Atrust Quick Connection screen after system startup.		

• In Quick Connection mode, you can access Microsoft Remote Desktop / Citrix / VMware View or Horizon View services quickly without much client configuration required. The main purpose of this chapter is to guide you through the use of your thin client under the Quick Connection mode.

Topic 1: Atrust Quick Connection

To start using your thin client, please do the following:

1. Press the Power button to turn on the client. Wait a moment for the system to enter the local Linux desktop.

Local Linux Desktop



2. Click Atrust Quick Connection on the desktop to enter Atrust Quick Connection screen.



TIP

- If you don't see that shortcut, click START > Settings > Atrust Client Setup > System > Quick Connection to enable Quick Connection.
- 3. (a) Go to Topic 2 to set up a wireless connection if needed.
 - (b) Go to Topic 3 to set the time zone for the first time use.
 - (c) Go to Topic 4 for service access if the time zone had been set.

Atrust Quick Connection Screen

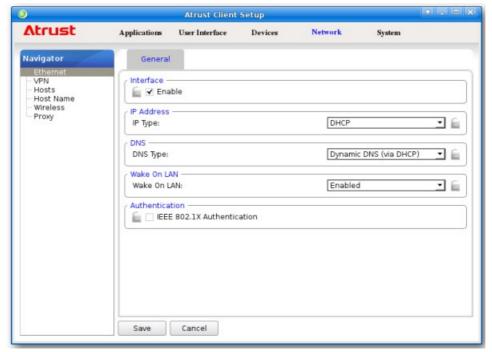


No.	Icon	Description		
1	Power Off	Click to shut down, suspend, or restart the system.		
2	Local Desktop	Click to return to the local Linux desktop.		
3	Setup	Click to launch Atrust Client Setup.		
4	Mixer	Click to configure audio settings.		
5	Power	Click to configure audio settings. Indicates the power source (adapter, battery, or both) and status. Click to launch Power Management for details. NOTE: Power Management enables you to configure power-saving settings for your thin client. You can choose appropriate options to suit your needs. See "Topic 6: Viewing and Managing the Use of Power" on page 35 for details. NOTE: When your thin client enters System Sleep mode manually (Fn + F12 or > Suspend) or automatically (configured in Atrust Client Setup through System > Power Management), it still requires a certain amount of power. You can use Shut down option instead to save the power to a greater degree. NOTE: When using only the battery as the power source, ensure that it has enough power to prevent data loss.		
6	Network	Indicates the network type (wired or wireless) and status. Click to configure network settings. NOTE: To set up a wireless connection, please see "Topic 2: Setting Up a Wirel s Connection" on page 16.		

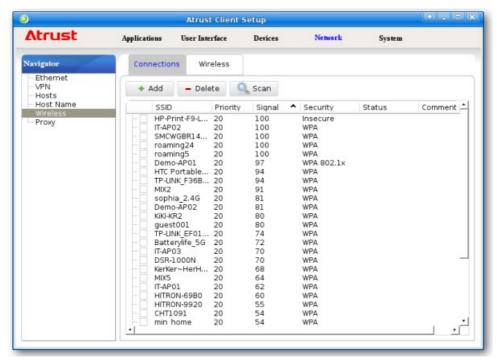
Topic 2: Setting Up a Wireless Connection

To set up a wireless connection, please do the following:

1. On Atrust Quick Connection screen, click the Network icon. Atrust Client Setup is launched.

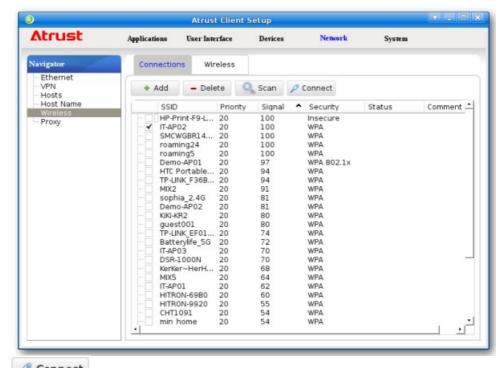


2. Click Wireless. The Wireless Network list will be shown under the Connections sub-tab.



NOTE

- Your thin client will perform network discovery once and specify all available wireless networks in the Wireless Network list under the Connections sub-tab. To refresh this Wireless Network list, click Scan on the top of the list.
- 3. Click to check the desired wireless network. The Connect button then appears on the top of the Wireless Network list.

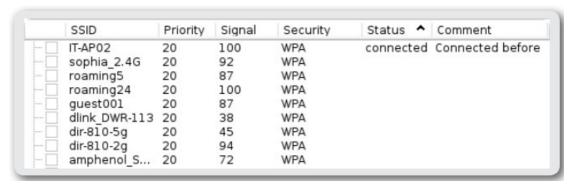


- 4. Click Connect to create a wireless network connection through the selected wireless network.
- 5. A window appears prompting for confirmation or authentication.





- If you ever accessed this wireless network before, the password will be automatically recorded for future access. In this case, you don't need to provide the password again; you only need to confirm the establishment of a wireless connection.
- Consult your network administrator for required information on authentication.
- 6. Type in the required password, and then click Connect to continue. Or, click OK to confirm the establishment of a wireless connection.
- 7. Upon completion, the Status column of the wireless network will show connected.



8. Close Atrust Client Setup.

Topic 3: Configuring the Time Zone

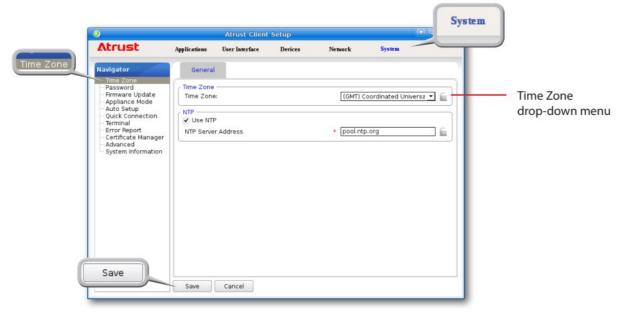
To set the time zone for your thin client, please do the following:

1. Click the Setup icon to launch Atrust Client Setup.

Atrust Client Setup



2. On Atrust Client Setup, click System > Time Zone.



- 3. Click the Time Zone drop-down menu to select the desired time zone.
- 4. Click Save to apply, and then close Atrust Client Setup.

Topic 4: Accessing Desktops or Applications

Through Atrust Quick Connection screen, you can access three types of desktop virtualization services: Remote Desktop, Citrix, and VMware View.

Atrust Quick Connection Screen

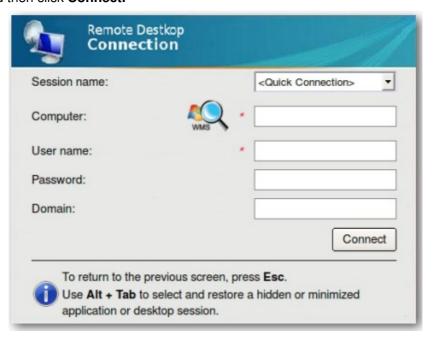


Icon	Description	Page
Remote Desktop	Click to access Microsoft Remote Desktop services.	20
Citrix	Click to access Citrix virtualization services.	21
VMware View	Click to access VMware View or Horizon View services.	31

Accessing Microsoft Remote Desktop Services

To access Microsoft Remote Desktop services, please do the following:

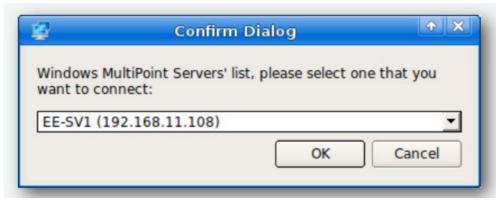
- 1. Click Remote Desktop on Atrust Quick Connection screen (see the screen in Topic 4).
- 2. On the appeared window, type in the computer name or IP address of the server, user name, password, and domain (if any), and then click **Connect.**



NOTE

• To discover available Windows MultiPoint Server systems over your network, please do the following:

- 1. Click on the left of the Computer field.
- 2. Upon completion, a window appears with the search result.



- 3. Click the drop-down menu to select the desired system, and then click OK.
- 4. The IP address of the selected system will appear in the Computer field.
- To return to Atrust Quick Connection screen (see the screen in Topic 4), press Esc.
- 3. The remote desktop will be displayed on the screen.

Accessing Citrix Services Connecting to the Server

To connect to the server through which Citrix services are accessible, please do the following:

- 1. Click on Atrust Quick Connection screen (see the screen in Topic 4).
- 2. On the appeared Atrust Citrix Connection screen, enter the appropriate IP address / URL / FQDN of the server, and then click Log On.

Atrust Citrix Connection Screen





• For newer versions of XenDesktop and XenApp, you may need to further specify the sub-path of the server. Refer to the following table for details:

Citrix Product	Component to Conn	Connection Address
XenApp 6.5 or earlie	Web Interface	IP / URL / FQDN
XenDesktop 5.6 or e arlier	Web Interface	IP / URL / FQDN
Virtual Apps and De sktops (XenApp and XenDesktop 7.5 or I ater)	StoreFront	IP / URL / FQDN plus sub-path For example — FQDN: X75.CTX.poc Sub-path: /Citrix/StoreWeb (default) Connection Address: X75.CTX.poc/Citrix/StoreWeb

- FQDN is the acronym of Fully Qualified Domain Name.
- To return to Atrust Quick Connection screen (see the screen in Topic 4), press Esc.

Logging On to Citrix Services

When connected to the server, the Citrix Logon screen appears. The appeared screen and required credentials for Citrix services may vary with the service type and version.

The following are some examples of Citrix Logon screens.

XenDesktop 5.6 Platinum:

Citrix Logon Screen





• To return to Atrust Quick Connection screen, press Esc.

XenApp 6.0 Fundamentals:

Citrix Logon Screen





- To return to Atrust Quick Connection screen, press Esc.
- If your XenApp server doesn't belong to any domain, type the computer name of the server in the Domain field.

XenApp 6.5 Platinum:





NOTE

- To return to Atrust Quick Connection screen, press Esc.
- If your XenApp server doesn't belong to any domain, type the computer name of the server in the Domain field.

VDI-in-a-Box:

Citrix Logon Screen

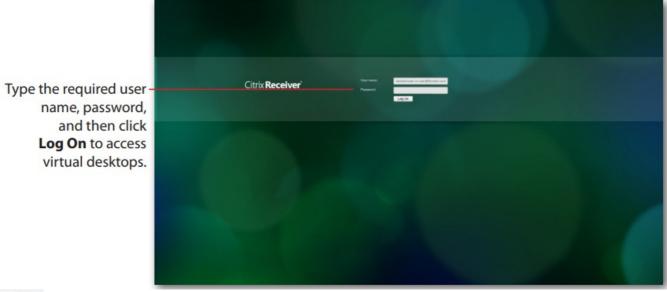


NOTE

• To return to Atrust Quick Connection screen, press Esc.

XenApp and XenDesktop 7.5 Platinum:

Citrix Logon Screen





• To return to Atrust Quick Connection screen, press Esc.

Virtual Apps and Desktops 7 1903.1:

Citrix Logon Screen





• To return to the Quick Connection screen, press Esc.

Accessing Virtual Desktops and Applications

You will enter the Desktop Selection or Application Selection screen after logon. On the screen you can click to select the desired desktop or application(s).



NOTE

 You might enter the virtual desktop directly if only one type of virtual desktop is assigned to the provided credentials.



TIP

• Use Alt + Tab to select and restore a hidden or minimized application or desktop.

The following are some examples of Selection screens and delivered desktops and applications. **XenDesktop 5.6 Platinum:**

1. The Desktop Selection screen appears after logon.

Desktop Selection Screen



- 2. Click to select the desired desktop.
- 3. The selected virtual desktop will be displayed on the screen.

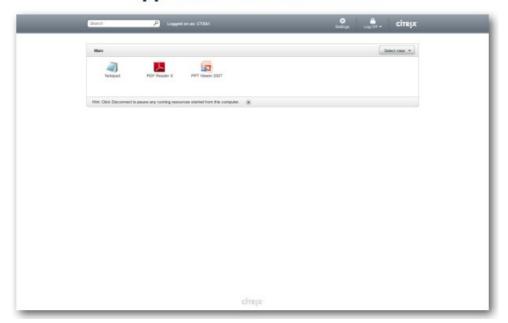
Virtual Desktop Example: Windows 7 Ultimate



XenApp 6.5 Platinum:

1. The Application Selection screen appears after logon.

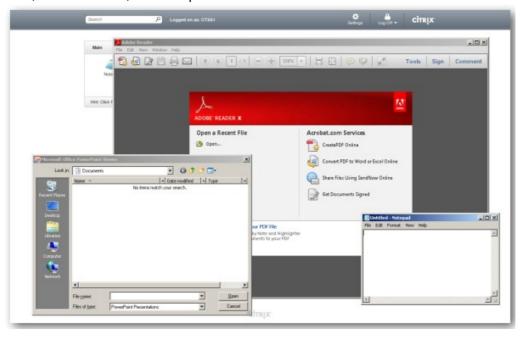
Application Selection Screen



- 2. Click to select the desired application(s).
- 3. The selected application(s) will be displayed on the screen.

Virtual Application Examples

PowerPoint Viewer, Adobe Reader, and Notepad



NOTE

- Clicking on Application Selection screen will bring the screen to the front and leave all launched application windows hidden behind. Use Alt + Tab to select and restore a hidden or minimized application window.
- Exiting a virtual desktop or application will return to the Desktop Selection or Application Selection screen. On the screen, you can:
 - Click to launch another virtual desktop if any or to launch other applications.
 - Click Log Off on the top of the screen to return to the Citrix Logon screen.
 - Press Esc to return to Atrust Quick Connection screen directly.

XenApp and XenDesktop 7.5 Platinum:

1. The Application Selection / Desktop Selection screen appears after logon.

Application Selection Screen



You might see this screen when you log in to XenApp 7.5 for first time. Just click to add your favorite apps from a list.



Desktop Selection Screen

Selection screen, depending on your server-side deployment.



- 2. Click to select the desired application(s) or desktop.
- 3. The selected application(s) or desktop will be displayed on the screen.

Virtual Desktop Example: Windows Server 2008 R2



Virtual Application Examples

Adobe Reader, Mozilla Firefox, and PowerPoint Viewer



NOTE

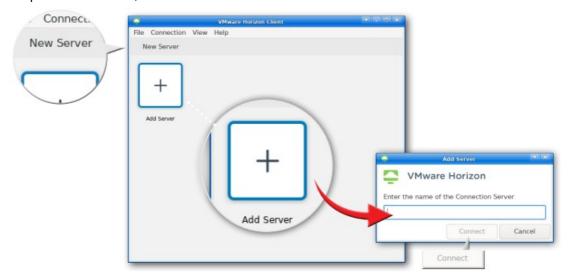
- Clicking on Application Selection screen will bring the screen to the front and leave all launched application windows hidden behind. Use Alt + Tab to select and restore a hidden or minimized application window.
- Exiting a virtual desktop or application will return to the Desktop Selection or Application Selection screen. On the screen, you can:
 - Click to launch another virtual desktop if any or to launch other applications.
 - Click Log Off on the top of the screen to return to the Citrix Logon screen.
 - Press Esc to return to Atrust Quick Connection screen directly.

Accessing VMware View or Horizon View Services

To access VMware View or Horizon View services, please do the following:

1. Click on Atrust Quick Connection screen (see the screen in Topic 4).

- 2. On the opened window, double-click Add Server icon or click New Server in the top-left corner. A window appears prompting for the name or IP address of the VMware View Connection Server.
- 3. Enter the required information, and then click Connect.

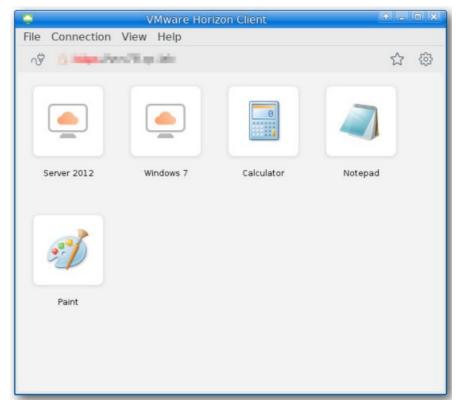


NOTE

- To return to Atrust Quick Connection screen (see the screen in Topic 4), close the opened window.
- 4. A Welcome window might appear, click OK to continue.
- 5. A window appears prompting for the credentials. Enter your user name, password, and then click Login.



6. The Desktop and Application list appears with available desktops and/or applications for the provided credentials. Double click to select the desired desktop or application.



7. The virtual desktop or application will be displayed on the screen.

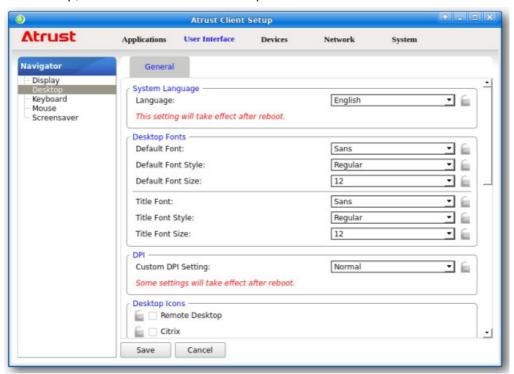
Topic 5: Using Built-in Applications

To use built-in applications (Web browser, PDF viewer, LibreOffice, etc), please do the following:

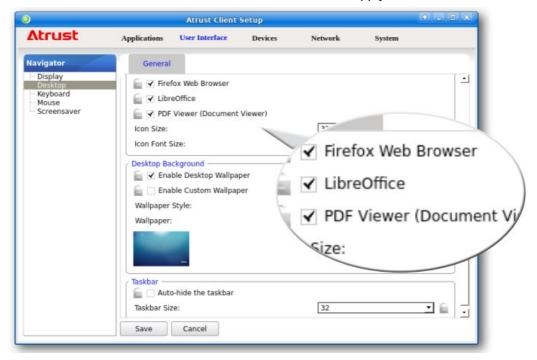


NOTE

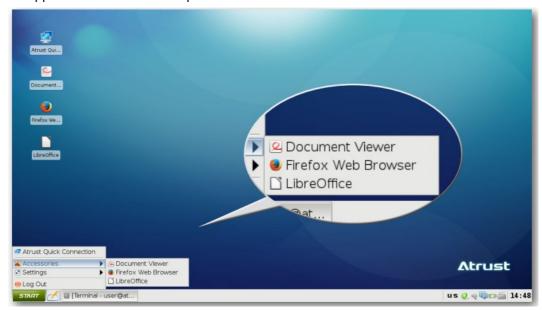
- The access shortcuts for built-in applications may be hidden by default. You need to enable the display of those shortcuts on the desktop and START menu first.
- 1. Enable the display of application shortcuts on the local desktop and START menu.
 - 1) On the local desktop, click START > Settings > Atrust Client Setup to launch Atrust Client Setup.
 - 2) On Atrust Client Setup, click User Interface > Desktop.



3) Click to check LibreOffice and PDF Viewer, and then click Save to apply.



- 4) Close Atrust Client Setup.
- 2. The shortcuts appear on the local desktop and START menu.

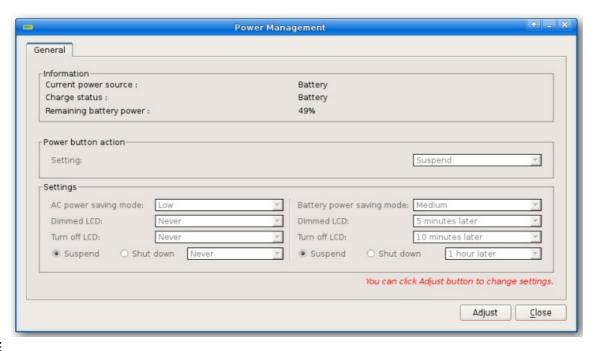


3. Click shortcuts on the desktop or START menu to launch applications.

Topic 6: Viewing and Managing the Use of Power

To view and manage the use of power for your thin client, please do the following:

1. On Atrust Quick Connection screen or on the local Linux desktop, click the Power vary with the power status) in the bottom-right corner to launch Power Management. Here you can view the use and settings of power.



NOTE

- The setting for Power button action is ONLY available for mt188L.
- 2. If needed, click Adjust to launch Atrust Client Setup to configure the settings of power.



3. Choose the desired power-saving mode for your AC power and battery, or choose Custom to customize individual settings, and then click Save to apply.



• When your thin client enters System Sleep mode manually (Fn + F12 or > Suspend) or automatically (configured in Atrust Client Setup through System > Power Management), it still requires a certain amount of power. You can use Shut down option instead to save the power to a greater degree.



• When using only the battery as the power source, ensure that it has enough power to prevent data loss.



Documents / Resources



Atrust mt188L Mobile Thin Client [pdf] User Manual mt188L Mobile Thin Client, mt188L, Mobile Thin Client, Thin Client

References

• User Manual

Manuals+,