This document introduces how to use XtendLan TC-M101 Zero Client Solution and Windows MultiPoint Server 2012.

If you need to learn more about windows MultiPoint Server 2012 or expect to get more information after reading this document, you may visit the product homepage of Microsoft Windows MultiPoint Server at: http://www.microsoft.com/windows/multipoint/default.aspx (English)

XtendLan Information Co., Ltd.

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## Preparations of XtendLan TC-M101 Zero Client Desktop Solution

### **Prepare the Appropriate Version of Windows MultiPoint**

### Server 2012

Windows MultiPoint Server 2012 is available in multiple languages, including English, Simplified Chinese, Traditional Chinese, Korean, Japanese, German, French, Spanish, etc. Firstly, you need to select and download the corresponding ISO file and burn it to DVD for later installation.

Windows MultiPoint Server 2012 Evaluation Version will need you to enter a product key during the installation. You may get a product key from Microsoft at:

http://www.microsoft.com/en-us/download/details.aspx?id=35821

#### Install

Start the computer on which you are installing MultiPoint Server using the DVD, and then install WMS 2012 as you would install Windows Server 2012, selecting the appropriate partition on which to install and answering typical installation questions. When you are prompted for a product key, type the following:

YNPVP-2H2HY-HP227-C2KRB-VQTCJ

### Make Sure the Hardware Configurations of Host Computer

### Meet the Requirements of Windows MultiPoint Server

If you are installing Windows MultiPoint Server 2012 only for evaluating XtendLan TC-M101 Zero Client solution (1-2 users), the host computer is only required to have a dual-core CPU and 2G RAM.

Application Scenario	Up to 4 stations	5-6 stations	7-10 stations	11-14 stations	15-20 stations
<b>Productivity</b> Office, web browsing or LOB applications	CPU: 2C RAM: 2 GB	CPU: 2C RAM: 4 GB	CPU: 4C RAM: 6 GB	CPU: 4C RAM: 8 GB	CPU: 4C+MT or 6C RAM: 8 GB
Mixed	CPU: 2C	CPU: 2C	CPU: 4C	CPU: 4C+MT or	CPU: 4C+MT or

The following hardware configurations are recommended for deploying Windows MultiPoint Server 2012:

Application Scenario	Up to 4 stations	5-6 stations	7-10 stations	11-14 stations	15-20 stations
Office, web browsing, LOB applications and occasional video applications by certain users	RAM: 2 GB	RAM: 4 GB	RAM: 6 GB	6C RAM: 8 GB	6C RAM: 8 GB
<pre>Video intensive Office, web browsing, applications and applications by all users</pre> Image: Note   Image: Video testing   Video testing   was performed   using 360p   H.264 video at   native   resolution.	CPU: 2C RAM: 2 GB	PU: 2C AM: 2 GB RAM: 4 GB RAM: 4 GB RAM: 6 GB RAM: 6 GB RAM: 6 GB		CPU: 4C+MT or 6C RAM: 8 GB	CPU: 4C+MT or 6C RAM: 8 GB I Thin client: RemoteFX USB video applications are not recommended

Center TC-M101 Zero Client Desktop Solution - Quick Deployment Guide for Users

#### 🕑 Important

Other than performance requirements, your host computer and installation environment must meet the following important hardware requirements:

- Windows MultiPoint Server 2012 installation DVD;
- DVD drive on the host computer (or USB DVD drive);
- The video card of the host computer must have the compatible driver for Windows MultiPoint Server 2012 (namely WIN8 X64 based driver);
- Other hardware components (such as network adapter) of the host computer must have the compatible drivers for Windows MultiPoint Server 2012 (namely WIN8 X64 based driver);
- The video card of a majority of rack-mount servers may fail to meet the post-deployment operating requirements of Windows MultiPoint Server 2012. You will need to install a supported external video card.

• The host computer must be provided with PS/2 mouse and PS/2 keyboard instead of USB+PS/2 mouse/keyboard or USB+USB mouse/keyboard.

To use USB mouse/keyboard normally, you will need to connect one USB-HUB to a USB2.0 port of the host computer.

• The host computer must be connected to a monitor or VGA dummy plug, with the resolution of monitor reaching 1024\*768 or above.

• Failing to detect a monitor (boot without monitor) during and after start-up will compromise the normal application of Zero Client solution based on Windows MultiPoint Server 2012.

### **Understand Varied Stations Defined by Windows MultiPoint**

### Server

Windows MultiPoint Server 2012 can support the connection of varied devices, each providing the user with an independent Windows desktop. All these devices are called stations, including direct-video-connected stations, USB-zero-client-connected stations, network-zero-client-connected stations, and thin-client or cloud-client-connected stations.

#### **Direct-video-connected stations:**

The host computer may have multiple physical video cards and multiple USB keyboards and mice, which are then allocated to different users. This mode may have critical limitations, such as the power supply for video cards, heat emission, length of VGA cable, etc.

#### **USB-zero-client-connected stations:**

USB zero client consists of USB video chip, USB sound chip and USB-HUB control chip. Windows MultiPoint Server 2012 can recognize and manage one USB-zero-client-connected station.

This biggest problem with this mode is that each USB zero client is connected to the host computer through a USB cable. Given the limitation in cable length, it's difficult for mass deployment.

#### Network-zero-client-connected stations:

Network-zero-client-connected stations are a variation of USB-zero-client-connected stations. A special chip is added into the traditional USB zero client for processing IP-USB signals. By installing the special management software, Windows MultiPoint Server 2012 can then manage the network-zero-client-connected stations.

This mode has no apparent defect, and is advantageous in costs. XtendLan TC-M101 falls into this category of station.

#### Thin-client or cloud-client-connected stations:

Windows MultiPoint Server 2012 is capable of providing RDP service.

Traditional thin clients or could clients can connect to Windows MultiPoint Server 2012 through Remote Desktop Protocol (RDP) and use the remote desktop.

The main problem with this mode is that thin clients or cloud clients are more expensive than network zero clients or USB zero clients.

### **Install Windows MultiPoint Server 2012**

### **Installation Details**

You may install the system through DVD drive or external USB DVD drive. If you expect to learn more information about installation, you may search for relevant documents on Internet or Microsoft website.

• This document introduces how to install the system with the installation DVD

	Windows Setup	►.
	Install now	
<u>R</u> epair your computer ⊜ 2012 Microsoft Corporation.	. All rights reserved.	

#### 🕨 Important

• Windows MultiPoint Server 2012 is a release branch of Windows Server 2012, and thus shares the installation mode of Windows Server 2012.

Enter the genuine product key. If there is no genuine product key, enter the trial key provided by Microsoft.

YNPVP-2H2HY-HP227-C2KRB-V0	OTCJ
----------------------------	------

	Windows Setup  Enter the product key to activate Windows  It should be on the back of the box that Windows came in or in a message that shows you bought Windows.  The product key looks like this: XXXXX-XXXXX-XXXXX-XXXXX Dashes will be added automatically.	
	Privacy statement	
Collecting information	2 Installing Windows	

	Windows Setup	ndourc?	×	
	Name	Total size Free s	space Type	
	<i>€p</i> <u>R</u> efresh	Drive o	options ( <u>a</u> dvanced)	
			Next	
1 Collecting information 2	Installing Windows			

Select the target physical hard disk for installing Windows MultiPoint Server 2012.

After	installation	vou wi	ll need to	configure	Windows	Settings
AIUI	instantation,	you wi	n neeu to	configure	w muows	Soungs.

¢	Setting	S	
	Type a password for the	built-in administrator account that you can use to sign in to this computer.	
	User name	Administrator	
	Password	••••••	
	Reenter password	······	
Ċ			Finish

### **Install Hardware Drivers for the Host Computer**

Hardware drivers are provided by the hardware manufacturer in the disc enclosed with the product. If the hardware device was manufactured earlier and doesn't provide a compatible driver for Windows MultiPoint Server 2012 (namely the driver for Windows 8 X64), you will need to consult the host computer manufacturer for the corresponding drivers.

#### 🐠 Important

• While installing drivers, please install the mainboard driver, network adapter driver and soundcard driver first before installing the video card driver.

### **First Boot after Installing Hardware Drivers**

After installing all hardware drivers, reboot to enter the operating mode of Windows MultiPoint Server 2012 station (primary station mode). Press letter "B" on the keyboard to enter the station operating mode.



If the host computer is poor in hardware performance, or if the following prompt (Waiting for Windows MultiPoint Server Host Service to Start) pops up, DO NOT press ESC key or any other key.



After starting Windows MultiPoint Server Host Service, the system will enter Windows logon interface. Enter the administrator account and password to enter the desktop of Windows MultiPoint Server 2012 station mode.



#### Important

• The station mode is different from the traditional desktop mode. If the host computer is not running in station mode (namely Windows MultiPoint Server Host Service is not running), then zero clients cannot operate normally.

# Use XtendLan TC-M101 Zero Client Desktop Solution

XtendLan provides the tool disc for TC-M101 Zero Client Desktop Solution, including:

- Key patches for Windows MultiPoint Server 2012
- XtendLan TC-M101 Zero Client drivers
- XtendLan TC-M101 Zero Client management software
- Adobe PDF Reader
- "User Quick Guide" for XtendLan TC-M101 Zero Client Desktop Solution
- "Administrator Manual" for XtendLan TC-M101 Zero Client Desktop Solution
- URL of XtendLan Website

### Configure the IP Address of Host Computer and the DHCP

### Address Pool for XtendLan Network Zero Clients

Windows MultiPoint Server 2012 host computer and XtendLan network zero clients can only be used after being configured with the correct IP address. It's recommended to configure a static IP address for the host computer and deploy XtendLan zero clients in DHCP mode, yet you may configure static IP addresses for zero clients under certain circumstances.

• Create Windows desktop icon

Right-click on the desktop and select "Personalize" from the context menu. Click "Change desktop icon" to select the desired desktop icons.





- Right-click the network icon in the system tray and select "Open Network and Sharing Center".
- Configure a static IP address for Windows MultiPoint Server 2012 host computer
   Right-click the network icon in the system tray and select "Open Network and Sharing Center".

Click "Change adapter settings".



Configure a static IP address for Windows MultiPoint Server 2012 host computer.



• Windows MultiPoint Server 2012 DHCP

Right-click the "Computer" icon on the desktop and then select "Manage" from the context menu.



#### Click "Add Roles and Features".



#### Follow the instructions.



#### Select "DHCP Server".



After installation, a yellow "!" icon will appear at the top-left corner. Click "Complete DHCP configuration".



Select "DHCP" and then click "DHCP Manager" from the context menu to proceed with specific DHCP configurations.





#### 👂 Important

The IP addresses of Windows MultiPoint Server 2012 host computer and XtendLan zero clients must belong to the same network segment (the same subnet may be on different switches).

- Multiple DHCP services on the same network segment may compromise the use of IP addresses. In such a case, you will need to configure VLANs on the switch to avoid the impacts caused by multiple DHCP services.
- XtendLan zero clients and Windows MultiPoint Server 2012 host computer must be on the same subnet (namely the same broadcast domain), and this very subnet is independently on one VLAN.
- If Windows MultiPoint Server 2012 host computer must be deployed in the data center and connected to a switch different from that used by XtendLan zero clients, you will need to configure a cross-switch VLAN to ensure that the host computer and XtendLan zero clients are on the same VLAN, and the trunks between switches must be set up.
- Configuring the same VLAN over multiple switches requires the support of switches. It's recommended to use switches supplied by the same manufacturer.



### **Introduction to the Management Functions of Windows**

### **MultiPoint Server 2012**

The management programs of Windows MultiPoint Server 2012 do not have desktop shortcuts. To allow convenient use, you will need to create shortcuts for these programs.

Windows MultiPoint Server 2012 has two management programs:

- WmsManager.exe
- WmsDashboard.exe

Both are located at "C:\Program Files\Windows MultiPoint Server\".

WmsManager.exe allows the management of zero client application environment, while WmsDashboard.exe allows the management of specific zero client desktop.

Select WmsDashboard.exe and WmsDashboard.exe, right-click and then select "Send to -> Desktop (create shortcut)" from the context menu.

dministrator	<u>∦</u>   <b>⊘ ∏</b> = 1	Application Tools	Windows MultiPoin	t Server	-		
	File Home Share	View Manage				v (?)	
	🔄 🏵 🝷 🕇 🕌 « Pro	gram Files 🔸 Windows MultiPoint Server 🔸	v C	Search Windows	MultiPo	oint S 🔎	
Computer	👉 Favorites	Name	Date modified	Туре	Size	^	
	Desktop	WdfCoInstaller01011.dll	8/16/2012 3:16 PM	Application extens		65 KB	
	Downloads	WindowsUpdateAgent.Interop.dll	11/1/2012 2:32 AM	Application extens		81 KB	
	🗐 Recent places	WmsAddins.config	8/16/2012 3:34 PM	CONFIG File		1 KB	
		🚳 WmsAdminUlLibrary.dll	11/1/2012 2:32 AM	Application extens		238 KB	
Network	🔚 Libraries	WmsConfigTasks.dll	2/3/2013 3:35 PM	Application extens		210 KB	
	Documents	🖳 WmsDashboard	11/1/2012 2:32 AM	Application		797 KB	
	J Music	WmsDashboard.exe.config	10/31/2012 5:44 PM	CONFIG File		1 KB	
0	Pictures	WmsDataCollector.dll	11/1/2012 2:32 AM	Application extens		43 KB	
	Videos	💱 WmsManager	11/1/2012 2:32 AM	Application		0	
Recycle Bin	_	WmsManager.exe.config	8/16/2012 3:11 PM	CONFIG File	<i>(</i> <b>1</b> )	Open	
	🖳 Computer	🚳 WmsModernToastApi.dll	2/3/2013 3:35 PM	Application extens		Kun as admir	histrator
	Local Disk (C:)	🚳 WmsOobePlugin.dll	2/3/2013 3:35 PM	Application extens		Send to	)
0=	DVD Drive (D:) Cente	WmsProxyStub.dll	11/1/2012 2:32 AM	Application extens		Cut	
		WmsSelfHealingSvc	2/3/2013 3:35 PM	Application		Copy	
iontrol Panel	👽 Network	🕎 WmsSessionAgent	2/3/2013 3:35 PM	Application			
		NmsSharingHost.dll	2/3/2013 3:35 PM	Application extens		Create shorto	ut
		WmsShell	2/3/2013 3:35 PM	Application		Delete	
		WmsStatusTab.dll	11/1/2012 2:32 AM	Application extens		Rename	
		WmsSvc	2/3/2013 3:35 PM	Application		Properties	
		WmsSvc.Interop.dll	11/1/2012 2:32 AM	Application extens		JJKD	
		WmsSvcProxyStub.dll	11/1/2012 2:32 AM	Application extens		58 KB	
	134 items 2 items selected	1980 KB	44/4/2010 0.00 111			:==	
				Windows N	vlultiPo	oint Server 2	 2012 Premiur
							Build 920
						Pr 93 1-	2:26 PM



### Use the Management Functions of MultiPoint Manager

Double-click the shortcut of WmsManager to run MultiPoint Manager. "Home", "Stations", "Users" and "Virtual Desktops" are system embedded modules, while "Network Stations" is a functional module for managing XtendLan TC-M101 Zero Clients.

÷			MultiPo	int Manag	jer			- 🗇 🗙
Home	Stations	Users Virtual Deskto	ps Network St	tations				Windows MultiPoint Server 2012
								🔇 No alerts 🔞 Help 👻
Computer	Status	Product	Stations	Licenses	Disk Protection	Mode	wr	nps2012-s1 Tasks
wmps2012-s1		Windows MultiPoint Server 2012 Premi	um 1	<u>A</u> 0	Disabled	Station		Edit server settings Restart the computer Shut down the computer Switch to console mode Enable disk protection Add client access licenses Remap all stations Save connection settings to file mme Tasks
<						>	80	Add or remove MultiPoint servers
wmps2012-s1	ation						÷	Add or remove personal computers
Licenses: Disk Protection:		You do i comput issue, or Disk pro	not have a client access license for all stations on this ter. Use the "Add client access licenses" tasks to resolve this r remove the extra connection(s). otection is disabled.			•	MultiPoint on the web Activate Windows Go to Action Center to activate	
1 Item								Windows.
6								2:57 PM 2:57 PM 11/1/2013

#### • Add zero client access licenses

Firstly, select the server and then click "Add client access license" on the right side. According to your licensing mode, enter the correct license number to activate your zero client access license.

In this document, we use the trial mode and thus choose "Other volume licensing programs".

÷	MultiPoint Manager	- 8 ×
		Windows MultiPoint Server 2012
Home	🚸 Add Client Access Licenses 🛛 🗡	
Computer Computer Computer Computer Computer Computer Computer Computer Computer Information Licenses:	Choose the type of client access license (CAL) you would like to add. Every station that connects to a MultiPoint Server system must have a valid CAL.  Perduct key MultiPoint Server system must have a valid CAL.  Open license MultiPoint Server station hub. For example, 28283-28283-28283-28283-28283.  Open license MultiPoint Server station the header of your order confirmation. Authorization number example: 12345678ABC1234. License number example: 12345678.  Other yolume licensing programs MultiPoint Server signed agreement form. For example: 1234567.  Next	No alerts
Disk Protection:	Disk protection is disabled.	
1 Item		
6 🚞		2:33 PM



Enter "1234567" and "20" in sequence to get trial access license.

### 🚸 Important

- Windows MultiPoint Server 2012 can support up to 24 zero client access licenses instead of 20.
- If you need to use Windows MultiPoint Server 2012 permanently, please purchase genuine product key for Windows MultiPoint Server 2012 and zero client access licenses from Microsoft or its distributors.
- Enable centralized management of multiple MultiPoint servers

In the Home functional module, click "Add or remove MultiPoint servers" to discover other MultiPoint Server 2012 host computers on the same subnet.

٠		MultiPoint Manager	- 0 ×
			Windows MultiPoint Server 2012
	Home Stations U	sers Virtual Desktops Network Stations	
	*	Add or Remove MultiPoint Servers	🕖 No alerts 🛛 🔞 Help 👻
Compu Local	The following is a list of MultiPoint s to disable remote server managemer	ervers on your subnet that are configured for remote management. It is possible It of a server by using the Edit server settings task available on the Home tab.	wmps2012-s1 Tasks
	Available	Managed	Restart the computer
	wmps2012-s2	Add >> << Remove	<ul> <li>Shut down the computer</li> <li>Switch to console mode</li> <li>Enable disk protection</li> <li>Add client access licenses</li> <li>Remove client access licenses</li> <li>Remap all stations</li> <li>Save connection settings to file</li> </ul>
<	MultiPoint Server name:	Manually Add	Home Tasks  Add or remove MultiPoint servers  Add or remove personal computers
Disk P		OK Cancel	MultiPoint on the web
1.0			
i item			3-57 DM
			P 11/1/2012

÷					MultiPoint Manager		_ 0 ×
	Home	Stations	Users	Virtual Desktops	Network Stations	×	Windows MultiPoint Server 2012
	×		Add OI	Remove MultiPoli	IL SEIVEIS		🔮 No alerts 🔞 Help 🔻
Compu Local	The follov to disable Available	ving is a list of Mult remote server mani	Point servers on agement of a ser	your subnet that are cover by using the Edit se	onfigured for remote management. It is p erver settings task available on the Home t Managed wmps2012-s2	ossible ab.	wmps2012-s1 Tasks         Image: Edit server settings         Image: Edit server settings to file
<	MultiPoin	t <u>S</u> erver name:		<u>M</u> anually	Add		Home Tasks
Comp							Add or remove MultiPoint servers
DISK P						<u>C</u> ancel	MultiPoint on the web
1 Item							
6		1					3:57 PM 11/1/2013



Enter the administrator password of second MultiPoint server.



### 🕀 Important

- To allow centralized management, each host computer must be installed with the same version of XtendLan Zero Client TC-M101 Manager software (namely the program version of Network Stations functional module).
- If MultiPoint servers have all joined the domain, and you have logged on the first server with domain administrator account, then you can directly add other MultiPoint servers without the need for entering the administrator account and password.
- Windows MultiPoint Server 2012 (all versions) doesn't support domain role. If you need a domain environment, you will need to have one additional host computer running standard Windows Server 2012 or other Windows Servers to provide the domain role.

• Create user account for accessing zero client desktop

Select the Users module and click "Add user account" on the right side. Select to create a user on the host computer of "wmps2012-s1". Enter the user account and password.

÷	MultiPoint Manager							-	ð ×	
Home	Stations	Users	Virtual Desktops	Network Stations				4	Windows Server 201	MultiPoint 2
									🕢 No alerts	🔞 Help 🕞
User		Computer	Full N	lame		Account Type	2	Administrator Tasks		
wmps2012-s1 Ø Administrator		wmps2012-s1				Administrator	r	lange full nam	e	
< Administrator There are no additional deta	ф.	Server: wmps2012-s1 User account: a Eull name (optional): a Password: e Confirm password: e	Add User A	<u>Next</u>	Сс Сс	×	>	<ul> <li>Change passwor</li> <li>Change level of a</li> <li>Change level of a</li> <li>Delete user acco</li> <li>User Tasks</li> <li>Add user account</li> </ul>	rd access unt tt	1
1 Item										$\Theta$
									P 🙀 🈡	3:49 PM

There are three types of users: Standard user, MultiPoint Dashboard user and Administrative user. MultiPoint Dashboard user has the permission to run WmsDashboard.exe.



• Discover network zero client and confirm whether or not its IP address is properly configured.

Turn on XtendLan Zero Client TC-M101 and connect to the network. Click the Network Stations module in MultiPoint Manager and then click "Star scan" to search for zero clients on the network.

\$		MultiPoint Manager	- 🗇 🗙
Home	Stations	Users Virtual Desktops Network Stations	Windows MultiPoint Server 2012
			🖉 No alerts 🔞 Help 🔻
Hosts		Clients	Device Task Item
Computer H WMPS2012-S1 N	iotKey I/A	Client Name         Status         Assignment         Lo ▲         MAC         IPaddress         Model           ■Zero Client         Not Connected         N/A         N/A         00:11         192.168.200.11         Device	<ul> <li>Assign to this server</li> <li>Change location name</li> </ul>
			<ul> <li>Network setting</li> <li>Rename client name</li> </ul>
			Restart device
			General Task Item
			HotKey setting
			Failover by host
			Failover by station
<	> <	>	🔍 Start scan
		Assigned Clients: WMPS2012-S1	Select all
Client Name	Status	Assignment Location MAC IP address Model  Firmware Version	B Unselect all
		There are no items in this view	
<		>	$\bigcirc$
1 item			2.51 PM
e 🚔			P 11/1/2013

If there is no DHCP server on the network, the zero client will use the temporary subnet of "169" after waiting for 90 seconds. In such a case, you will need to check the DHCP server or manually configure a correct static IP address for the zero client.

Select the zero client list and select "Network setting" from the context menu to configure the static IP address for the zero client.

\$			MultiPoint Ma	nager		-	- 🗇 🗙
•		2.				Server 20	MultiPoint 12
Home St	tations Users	Virtual Desktops	Network Stations				
						💽 No alert	s 🔞 Help 👻
Hosts		1	Clients			Device Task Item	
Computer HotKey WMPS2012-S1 N/A	Client Name Status	s Assignme ot Connected N/A Network setting	nt 🔺 Location N/A	MAC IP address 00:11: 169.254.10.10	Model Device	Ketwork setting	
	<b>\$</b> =	Select all	_			General Task Item	
	8	Unselect all				<ul> <li>HotKey setting</li> <li>Failover by host</li> <li>Failover by station</li> <li>Start scan</li> <li>Select all</li> <li>Unselect all</li> </ul>	4
< >	<				>		
	Assigne	d Clients: WMPS2012	-\$1				
Client Name	Status	Assignment	Location	MAC			
<	There	e are no items in this vie	N		>		
1 ltem							
6 🗎 👌						P 🕄 🍁	2:44 PM 11/1/2013

• Assign the network zero client to the MultiPoint server, make sure the WIN desktop of zero client shows the list of selected network zero client, and then click "Assign to this Server".

If there are multiple Windows MultiPoint Server 2012 host computers under centralized management, you will need to select the host computer in the "Host" pane and then click "Assign to this Server".

\$	MultiPoint Manager	- 0 ×
		Windows MultiPoint Server 2012
Home	Stations Users Virtual Desktops Network Stations	
		🔇 No alerts 🔞 Help 👻
Hosts	Clients	Device Task Item
Computer         Ho           WMP52012-S1         N/r           WMP52012-S2         N/r	Client Name       Status       Assignment       Location         /A       Image: Client       Not Connected       N/A       N/A         /A       Image: Client       Mot Connected       N/A       N/A         /A       Image: Client       Image: Client       Change location name         Image: Client       Image: Client       Change location name         Image: Client Name       Image: Client Name       Image: Client Name         Image: Client Name       Image: Client Name       Image: Client Name         Image: Client Name       Image: Client Name       Image: Client Name         Image: Client Name       Image: Client Name       Image: Client Name         Image: Client Name       Image: Client Name       Image: Client Name         Image: Client Name       Image: Client Name       Image: Client Name         Image: Client Name       Image: Client Name       Image: Client Name         Image: Client Name       Image: Client Name       Image: Client Name         Image: Client Name       Image: Client Name       Image: Client Name         Image: Client Name       Image: Client Name       Image: Client Name         Image: Client Name       Image: Client Name       Image: Client Name         Image: Client Name       Image: Client Name <td><ul> <li>In Assign to this server</li> <li>In Change location name</li> <li>Change location name</li> <li>Network setting</li> <li>Rename client name</li> <li>Restart device</li> <li>Potted to the setting</li> <li>Update firmware</li> </ul> General Task Item Interventing HotKey setting Failover by host</td>	<ul> <li>In Assign to this server</li> <li>In Change location name</li> <li>Change location name</li> <li>Network setting</li> <li>Rename client name</li> <li>Restart device</li> <li>Potted to the setting</li> <li>Update firmware</li> </ul> General Task Item Interventing HotKey setting Failover by host
		🚢 Failover by station
<	> <	🔍 Start scan
	Assigned Clients: WMPS2012-S1	🖅 Select all
Client Name	Status Assignment Location MAC	B Unselect all
	There are no items in this view	
<	>	Acti
	<u>\$</u>	3:01 AM 11/1/2013

Wait until the "Status" indicates "Connected" and Windows logon interface will appear on the desktop of this zero client.



### **Use the Management Functions of MultiPoint**

### Dashboard

WmsDashboard is used to manage the desktop of zero clients, and can be applied in e-classroom management.

Double-click the shortcut of WmsDashboard program to discover zero client desktops being used.



Center TC-M101 Zero Client Desktop Solution – Quick Deployment Guide for Users You may use MultiPoint Dashboard to carry out comprehensive management of the desktop environment of zero client. The following example shows how to block or take control of the desktop environment of a zero client.





Center TC-M101 Zero Client Desktop Solution - Quick Deployment Guide for Users