

Windows-Based Terminal

User's Manual



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2 Product Overview 2.1 WBTs

WBTs (Windows-based Terminals) are designed to connect to WTS (Windows Terminal Server) servers via RDP (Remote Desktop Protocol), or Windows NT applications server via ICA (Independent Computing Architecture). RDP is the Windows CE-based protocol for connecting to Windows terminal servers. ICA is a distributed presentation services protocol for Windows NT server, allowing an application's user interface to execute on a Windows-based terminal while the application's logic executes on the server.

The BOSSTX2B has no serial ports, only been supported three kinds of connections (RDP, ICA and Remote Dial-Up/ Direct Cable Connection/ VPN Operations, without locale IE, locale Media Player and Emulations), and has no smart card and PCMCIA drivers supported.

2.2 Terminal Specifications

CPU	SIS550/200MHz,			
RAM	64MB SDRAM standard, expandable to 512MB			
Flash Memory	32MB CF card standard, expandable to 512MB			
r lastr methory	Flash upgrade utility via Ethernet			
Resolution	Resolution up to 1280x1024 / 85 Hz SVGA 32 bit to True color.			
Resolution	16 million palette supports all VESA monitors			
Refresh Rate	Flicker-free, up to 85Hz			
Video Memory	Graphics utilizes system RAM			
Audio Support	Full 16 bit stereo FM synthesis			
· ·				
Networking Protocols	10/100 Base T Fast Ethernet, Twisted Pair (RJ45)			
	TCP/IP with DNS, DHCP and PPP			
	Load balancing supported by Citrix ICA			
	Remote modem dial up with Citrix ICA			
Communications Protocols	MS RDP / Citrix ICA			
One Parallel Port	Bi-directional centronics compatible, DB-25			
One Display Port	Analogue VGA type video output (DB-15)			
USB Port	Two USB ports			
Audio Port	Audio out,			
KB & Mouse Interface	Enhanced PS/2 keyboard and mouse interface			
Operation System	Microsoft Windows CE.NET			
Set-up & Configuration	Local power-on boot, simple start-up wizard for set-up Configurable automatic login, Multi-language KB support, Multiple auto-startup support			
Server Operating System	RDP :			
Support	Microsoft Windows NT4.0 + TSE.			
	Microsoft Windows 2000 Server Family.			
	Microsoft Windows 2003 Server Family.			
	Microsoft Windows XP with RDP protocol ICA :			
	Citrix Winframe			
	Microsoft Windows NT4.0 + TSE+ Citrix Metaframe			
	Microsoft Windows 2000 + Citrix Metaframe.			
	Microsoft Windows 2000/ Windows 2003 + Citrix MetaframeXP.			
Terminal Emulations	Console ANSI, VT 420/320/220/100/52, Wyse 120/60/50+/325			
Support	TVI 925, TVI 910+, ADDS A2, IBM3270, IBM5250.			

2.3 Terminal Features

Physical Characteristics	
Height	40 mm (1.57 in)
Width	188 mm (7.40 in)
Depth	136 mm (5.35 in)
Net Weight	1.10 kgs 2.43 lbs)
Power Cord	6 ft (1.83m)
Environmental	
Operating Temperature	5 to 40° C (41 to 104° F)
Non-operating Temperature	-40to 60°C (-40 to 150°F)
Operating Humidity	20% to 80%, non-condensing
Operating Altitude	0 to 10,000 ft ASL
Nonoperating Altitude	0 to 40,000 ft ASL
Regulatory	
EMC Terminal/Power Brick	FCC B, CE, BSMI,
Safety Power Brick	UL1950, CB IEC60950.

Installation

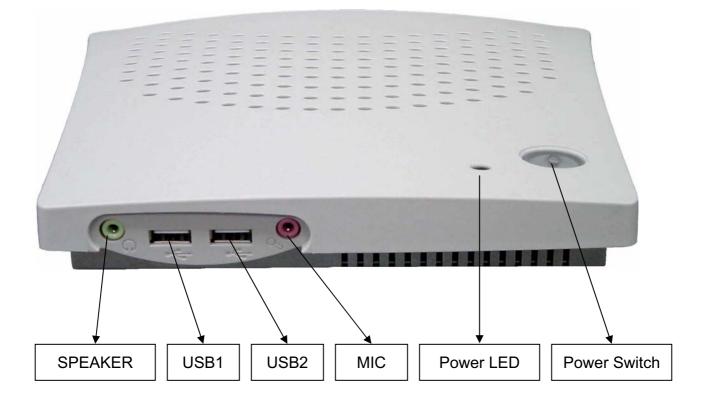
2.4 Terminal Overview



2.4.1 Connecting the Terminal

Follow these instructions to connect the terminal to its peripheral devices:

- A. Connect the keyboard to the keyboard connector.
- B. Connect the mouse to the mouse connector.
- C. Connect the 10/100-T network cable to the RJ-45 network connector.
- D. Connect the power cord and the adapter to the power connector with DC Adapter.
- E. Connect the power cord to the power connector with DC Adapter.



2.4.2 Connector Descriptions

USB Port

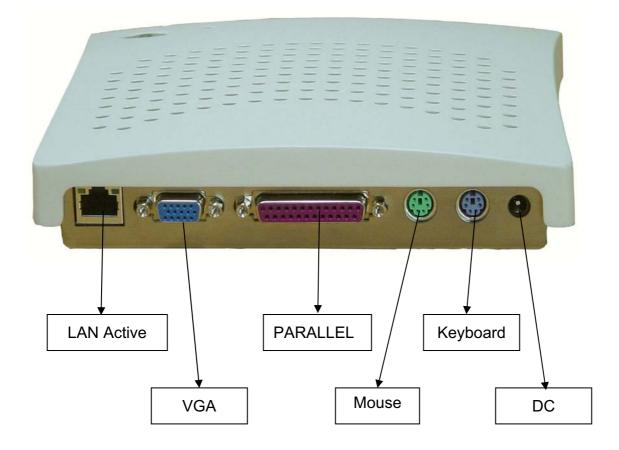
These connectors can be used for the USB devices.

Audio output Connector

This connector is used to connect to an outward speaker. Micro phone input connector.

Power Switch

The Power Switch key to turn ON/OFF the WBT.



LAN LED Indicators

This LED indicates the link (amber), activity (amber) status of network conditions. The detailed information is explained as follows:

- Link Indicator (amber) This LED lights to indicate a successful network connection.
- Activity Indicator (amber) This LED lights when there is network packets sent or received through the RJ-45 port.

VGA Connector

This connector is for displaying on a standard VGA compatible device.

Parallel Port Connector

This connector can be used for a printer connection.

PS/2 Mouse Connector

This connector is for a mouse using a PS/2 plug (mini DIN).

PS/2 Keyboard Connector

This connector is for a standard keyboard using a PS/2 plug (mini DIN).

Power Connector

This connector is for connecting the power cord with the terminal and the DC Adapter.

Before you use the CE5.0...

1. Get the device and Boot loader ready

For using the F/W of CE5.0, You must update the Boot loader for CE5.0 to ensure all of the devices and function normally.

2. The differences between CE4.2 and CE5.0

- Two user interface styles supported
 - a. The CE5.0 support two user's modes, **WBT** mode and **Desktop** mode, Users can switch from one to another in **Control Panel**.
- More device drivers have been supported in CE5.0
 - a. The CE5.0 F/W with CE5.0 Boot loader support Card Bus (WiFi, PB.).
 b. The CE5.0 OS support Card Bus (32 bits/backward compatibility), 802.11g (Driver required), USB2.0 (CLE only), RTL8169 (Giga bit), RTL8180 (WiFi/PCI), L2TP/PPPoE.
- More complete and friendly user interface have been supported in CE5.0
 - a. The new function L2TP and PPPoE have been supported in RAS in the Connection Manager.
 - b. Regional and Language Setting support the Regional setting in the program format, Number, Currency, Time and Date; and also support the Input Language to select which keyboard layout You want to use.
 - c. The new function **Terminal License** have been supported in **Control Pane**l, and the user can view and reset the terminal license there instead of reset it in **Application Properties**.
 - d. The new function **Touch Panel Settings** have been supported in **Control Panel**, and the user can set the touch panel model and alignment the panel there instead of do it in **Application Properties**.
- The RDP version is upgraded from RDP 5.2 to RDP 5.5
- Complete update from CE4.2 to CE5.0
 - a. The CE4.2 OS could be upgraded to CE5.0 by using FTP Update.

3 Initial Terminal Setup

The **Setup Wizard** is used for initial setup of the terminal's properties. The wizard runs when:

You turn on your terminal for the first time.

Your terminal has been restarted with selecting factory default setting.

A new image has been downloaded to your terminal.

3.1 Hot-keys Functions

Ctrl+Alt+Up/Down Arrow

Use this function to switch between Active Connections.

Ctrl+Alt+End:

Use this function to go back to the Terminal Connection Manager.

Ctrl+Alt+L:

Use this function to activate or deactivate the energy saver.

3.2 Setup Wizard

The **Setup Wizard** lets you set terminal network configuration and terminal display parameters. Any future changes can be made using the **Terminal Properties** dialog box. You can launch this dialog box anywhere in the program at any time by pressing the [F2] key.

There are seven dialog boxes that display in succession during the process. Each dialog box is self-explanatory. Some dialog boxes are informational and require no user input. Other dialog boxes will prompt you for network and display information.

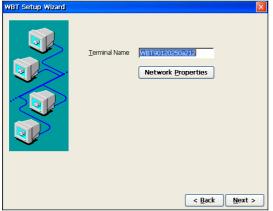
Welcome



EULA (End User License Agreement)



MAC ADDRESS



3.2.1 Network Configuration

Network attached device must contain a unique network identifier. If the network is using TCP/IP as a communication protocol, these identifiers are called IP addresses. The following series of screens will allow you to choose from two different methods of assigning the IP addresses.

3.2.1.1 Use the IP information supplied by DHCP

If your network provides DHCP (Dynamic Host Configuration Protocol) service and you want it to provide the terminals IP information, leave the first option selected.

The terminal can get its IP address through a DHCP service by default. The DHCP will automatically assign an IP address that is drawn from a pool of available IP addresses, when a terminal unit is powered on and a request is broadcast over the network.

Use the IP information supplied by DHCP

If you need to specify static IP address for the terminal, select the second option.

The option is selected automatically if your network does not provide a DHCP service, or if the unit is not properly connected to the network. In these cases, leave the second option selected.

'Microsoft null Ethernet Miniport Driver' Settings 🛛 🔣
IP Address Name Servers
IP ADDRess Name Servers
An IP address can be (a) Obtain an IP address via DHOP
automatically assigned to this computer. If your network Specify an IP address
does not automatically assign IP addresses, ask your network IP address:
administrator for an address, Greenet Made
and then type it in the space provided. Default Gateway:

Note: If your network does not provide a DHCP service but you get the screen shown above, make sure the terminal unit is properly connected to the network. Then restart it by cycling the power off and then on.

3.2.1.2 Specify a static IP address

If the method you selected on the prior screen was to enter a static IP address, the below screen will appear. You will be required to enter the following information onto the screen.

IP address

Required for identifying this unit to the network. The format will follow the standard addressing format.

Subnet Mask

Required for designating which network the IP address is a part of.

Gateway

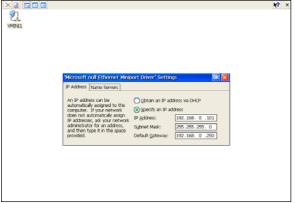
...

....

...

Optional address which identifies the machine through which a subnet communicates with another network.

Specify an IP Address



3.2.2 Enable/Disable Name Resolution Services

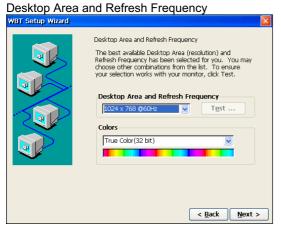
The screen shown below will appear only if you choose the Static IP Addressing method. The DHCP method will provide this information required using a name resolution service.

Terminal servers typically support both DNS (Domain Naming Service) and WINS (Windows Internet Naming Service) name resolution services. This screen allows the terminal unit to use one or both of these resolution services. To enable DNS, WINS, or both, check the corresponding box. In the text boxes, enter the following information as appropriate for each. Click Next.

			K?
1 2. NI			
	Normsoft null Ethernet Minig IP Address Name Servers Name server addresses may be automatically assigned IT B/CP	Primary DNS:	
	is enabled on this adapter. You can specify additional WINS or DNS resolvers in the space provided.	Secondary D\JS: Primary \UNS: Secondary W\INS:	

3.2.3 Alternative Display Settings

The monitor support several kinds of resolutions. If you want to test it, choose the desired resolution from the list box and click Test.



If the screen image tests OK, the monitor will support the selected resolution.



After the system implement testing new mode as user set up. The system will notify user "did you see the test image properly".



3.2.4 Local Printer Setup

The terminal supports Local Print. If you want to connect this terminal with a Local Printer, then click OPEN. If not, then click NEXT.

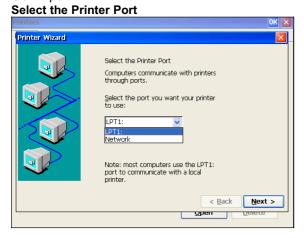
Local Printer Setup	
WBT Setup Wizard	
Pinters	
Printer configuration for WindowsCE	<u>O</u> pen

After click OPEN you can see the Add Printer page then click OPEN again you can see the Select the printer Port page.

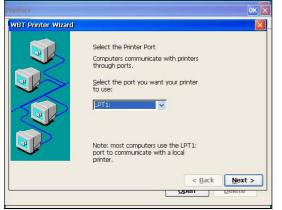
/BT Setup Wizard
rinters 🛛 🕅 🕅 🕅
Printer
Add Printer
<u>Open</u> <u>D</u> elete

3.2.5 Select the Printer Port

Select one of the ports, LPT1, COM1 or COM2 port that you want to use to communicate with your local printer. Or you can select Network to set a network printer. When you select the COM1 or COM2 .You can also select the baud rate of COM1 or COM2 port.



Select the Printer Port (For LPT1)



Select the Network Printer

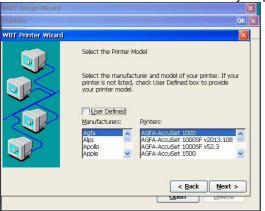


3.2.6 Select the Printer Model

Select the manufacturer and model of your printer. If your printer name is not listed, check with your printer document and select one that is closer. The printer will then show on the dialog box of **Printers Properties** on **Terminal Properties** after press **[F2]** as shown in **chapter 6.5**.

3.2.6.1 Select the Printer Model

User selects the manufacturer and model of your printer then click Next.



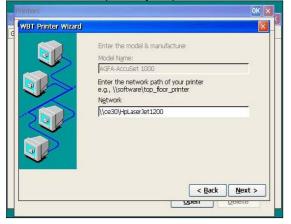
Name Your Printer for COM1, COM2, LPT1

User must supply a name for this printer then click Next.



Name Your Printer for Network

Enter the Network path of your printer



Configure Another Printer

The WBT will notify that "User has successfully configured the printer" And ask if user want to configure another printer.

If does not please enable No and click Next. Or enable Yes to continue configure another printer.

The screen will go back to Select the Printer Port as shown on page 15,

then follow the setup procedures again after selecting the printer port.



Finish

To apply the settings, click Finish after you have finished the Printer Setup Wizard.

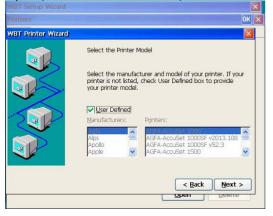


After the printer setup finished then the added printer model would be showed up.

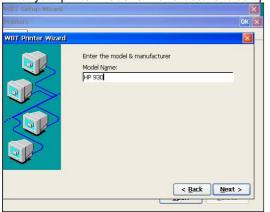
			ОК 🔽	
8				
AGFA- AccuS				
		Open	Delete	
	AGFA-	AGFA-	AGFA- ACCUS	AGFA- AccuS

3.2.6.2 User Defined

If your printer name is not listed, please enable" User Defined" to setup then click Next.

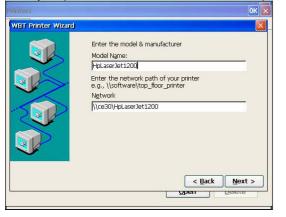


Note: User has to prior install the printer driver in server when performing the User Defined.



Enter your printer Model & Manufacture to setup then click Next.(Com1 , Com2, Lpt1)

Enter your printer Model & Manufacture to setup then click Next.(For Network Printer)



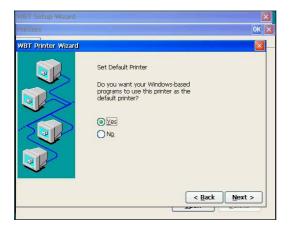
Note: The model name, which you type in the column, Should be identical with what you select from the name list in the server

User must supply a name for this printer then click Next.



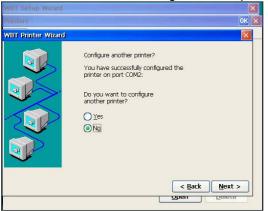
Set Default Printer

User can choose using this printer as the default printer or not. Click **Next** to process.

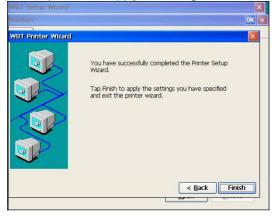


The WBT will notify that "User has successfully configured the printer" and ask if user want to configure another printer. If does not please enable **No** and click **Next**.

Or enable Yes to continue configure another printer.



Then tap **Finish** to apply the setting.



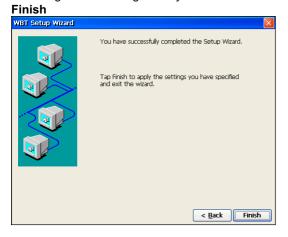
After the printer setup OK then the added printer model would be showed up.

	Setup Wiza					×
Printe	915				OK	×
Printer	r					
	S.C.	2	ý			
A	ldd Printer	HP 930	AGFA- AccuS			
				<u>O</u> pen	Delete	

3.2.7 Finish the Setup Wizard

To review or change settings made on previous pages, click **Back**; to apply the settings, click **Finish**.

To change these settings after you have finished the Setup Wizard, press [F2] key to display the Terminal Properties sheet.



4 Connections Management

The **Terminal Connection Manager** dialog box is designed to help you manage your terminal's network connections. The dialog box displays after the terminal's initial splash screen, and consists of the **Connections** properties sheet and the **Configure** properties sheet. The following figure shows the **Terminal Connection Manager** dialog box.

nection Name	Type	Status
ecoph Name	i Abe	Status

4.1 Using the Connections Properties Sheet

The functions of the **Connections** properties sheet are used to make (connect to) terminal network connections. The following figure shows the **Connections** properties sheet.

Connections Properties Sheet

onnection Name	Type	Status

4.2 Using the Configure Properties Sheet

The **Configure** properties sheet allows the user to <u>Add</u>, <u>Edit</u>, <u>Delete</u>, and configure connections. The following figure shows the **Configure** properties sheet.

Configure Properties Sheet

nection Name	Type	Startup

4.3 Creating New Connections

The **New Connection** dialog box is used to create new network connections. This dialog box is invoked by:

Clicking on the **Configure** tab in the **Terminal Connection Manager** dialog box. Clicking on **Add** command button on the **Configure** properties sheet. The following figure shows the **New Connection** dialog box.

New Connection Dialog Box

New Connection Select the type of connection to create: Microsoft Remote Desktop Clent OK Cancel	Select the type of connection to create:	onnection N	lame			Туре	Startup
OK Cancel	OK Cancel		Select the typ	e of connection t			
					ОК	Cance	

4.3.1 Choosing a Connection Protocol

Use the scroll list shown in the dialog box above to select the type of connection protocol you want. When you choose from the list above, you are deciding which connection protocol you want to use to connect to a server. Six selections are available:

Microsoft Remote Desktop Client

RDP (Remote Desktop Protocol) protocol, through which connects to a WBT (Windows-Based Terminal) server. Refer to chapter 4.4 for RDP Connections.

Citrix ICA Client

ICA (Independent Computing Architecture) protocol, through which connects to an ICA (Winframe/Metaframe) server. Refer to chapter 4.5 for ICA Connections.

Remote Dial-up / Direct Cable / VPN / PPPOE

Connects to remote server through PPP Dial-up applications or use direct RS232 cable connection. You can even have VPN connection. Refer to chapter 4.6 for all details.

Microsoft Internet Explorer

Connects to the Internet directly via embedded Internet Explorer. This function doesn't appear in all WBTs. Please make sure your WBT contains embedded IE and has 64MB RAM at least. Refer to chapter 4.7 for the Internet applications.

Microsoft Media Player

An applications winch you can connect to play a media & set the option in your WBT. Refer to chapter 4.8 for Media Player.

Terminal Emulation

Connects to multiple terminal emulation applications.

IBM Terminal Emulation

Connects to IBM-related terminal emulation applications.

nection Name	Туре	Startup
New Connection		
Select the type of connect		
Microsoft Remote Desktop Citrix ICA Client Microsoft Internet Explorer Microsoft Media Player Microsoft Remote Desktop	Client	
Remote Dial-up / Direct Cal TERMTEK IBM Terminal Em	ole Connect / VPN / PPPOE Julation on	

4.4 RDP Connections

To create a new RDP connection, use the **Terminal Connection Wizard**. Make selections and enter the data in each dialog box.

Click on the **Next** command button to move to the next dialog box. When you are finished, the new connection will be added to the **Connection Name** list in the **Terminal Connection Manager**.

Click on the **Back** command button to go to the previous dialog box.

Click on the "X" icon on the top right of this dialog box to quit the setting at any time.

The following four figures show the sequence of the Terminal Connection Wizard.

Make selections and enter the **Name** for the new connection and type **IP Address** or **DNS Name** to connect to the server. If you are connecting across a slower network, you may click on Low Speed Connection. **Terminal Connection Wizard**





Click on **Desktop** if you want the Windows NT desktop displayed by default while connecting. Or click on **Application file name** and type its name when you want to start this application while connecting. You can also specify a working directory when you specify an application. If **default the connection bar** is enable. The connection bar will be showed on the Windows desktop. If it is disable. The connection bar will be hided.







After finish the setup then you can see the new connection name show in the dialog box.

And Click **<u>E</u>dit** if you want to edit the RDP. The screen will go back to Select the Connection Name as shown on **page 21**, then follow the setup procedures again after selecting the connection.

ection Name		Startup
P.	RDP	

4.4.1 General Tab

Change the Name and IP Address or DNS Name for the connection.

If you want to logon automatically, enable **Automatic Logon** and type the Username, Password and Domain. If you are connecting across a slower network, you may click on Low Speed Connection.

Connection – Name:	RDP	
<u>S</u> erver:	192.168.0.61	
Username:	.ogon	
	1	
Password:		
Do <u>m</u> ain:		
(ti (
Connection S	peed Speed Connection	

4.4.2 Display Tab

Change the Colors for RDP connection.

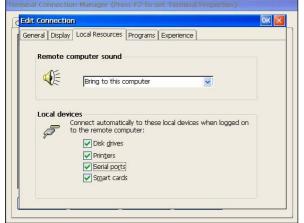
If **default the connection bar** is enable. The connection bar will be showed on the Windows desktop. If it is disable. The connection bar will be hided.

ieneral Di:	olay Local Resources Pr	ograms Experience	
Colors			
10000000000	rue Color (24 bit)		
1			
N	te: Settings on the remo	te computer might override this setting	
🔽 Displa	/ the connection bar		
🔽 Displa	/ the connection bar		
Displa	/ the connection bar		
🔽 Displa	r the connection bar		
Displa Displa	r the connection bar		

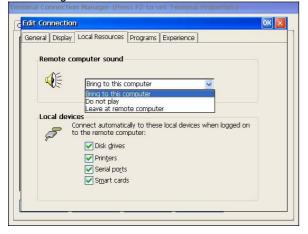
Colors True Color (24 bit) 256 Colors High Color (16 bit) True Color (24 bit) Note: Settings on the remote computer might override this setting Display the connection bar	ieneral	Display Local Resources Programs Experience
256 Colors (1 High Color (1 bit) True Color (24 bit) Note: Settings on the remote computer might override this setting	Colo	rrs
High Color (16 bit) True Color (24 bit) Note: Settings on the remote computer might override this setting		True Color (24 bit)
True Color (24 bit) Note: Settings on the remote computer might override this setting		
		True Color (24 bit)
Display the connection bar		Note: Settings on the remote computer might override this setting
		splay the connection bar
		splay the connection bar

4.4.3 Local Resource Tab

Functions shown in local device.



Choosing "Bring to this computer".. could bring the sounds from the server to the client device.



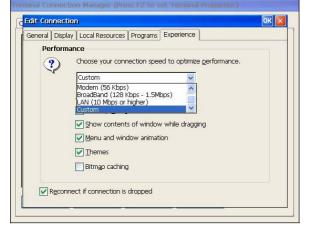
4.4.4 Programs Tab

Click on **Desktop** if you want the Windows NT desktop displayed by default while connecting. Or click on **Application file name** and type its name when you want to start this application while connecting. You can also specify a working directory when you specify an application.

C Edit Connection OK 🛛
General Display Local Resources Programs Experience
Application to run
Desktop
Desktop
Working Directory:

4.4.5 Experience Tab

The Experience properties sheet lets you configure the connection speed.



4.5 ICA Connections

Use this application to create a Citrix ICA connection. Choose the Network Connection or Dial-In Connection for the remote application.

4.5.1 Creating a New ICA Connection Entry

You can configure and run two types of ICA sessions: Citrix server connections and published applications.

- Citrix server connections allow you to remotely control a session on a Citrix server from your WBT. Citrix server connections let you access the desktop of a specific Citrix server; you can run any applications available on the desktop, in any order.
- *Published applications* are specific applications set up by an administrator for remote users to run. When connected, you are presented with the application itself.

Note This procedure describes the simplest way to create a connection entry. When you follow these steps, you set the essential items you need to connect to a Citrix server from your WBT. See "Changing a Connection Entry" for more information about how to change the other properties for a connection entry.

4.5.1.1 To create a new connection entry

- a. In the Connection Manager dialog box, click the Configure tab.
- b. Click Add.
- c. In the New Connection dialog box, click the list box and select Citrix ICA Client. Click OK.

The **Specify Connection Type** dialog box appears:

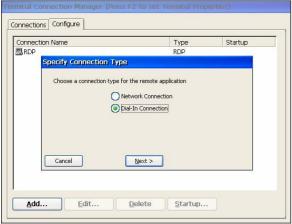
onnection Nam }RDP	e	Type RDP	Startup
	y Connection Type	23528 2712 V	
Cho	() N	r the remote application etwork Connection ial-In Connection	
Car	ncel	Next >	

Click **Network Connection** to make a network connection. Make sure your WBT is connected to the network through the on-board RJ-45 connector or by a serial PPP connection to a Windows 95 or Windows NT RAS server. Click **Next** to continue. Skip to section **4.5.1.3**.

	ion Name	Type RDP	Startup
RDP	Select a Metaframe Se	RUP rver or Published Applica	tion
	● <u>S</u> erver O <u>P</u> ubli:	shed Application	jca Refresh
	You can change your server li Primary Metaframe server: (A Cancel < <u>B</u> ack	ocation settings by clicking Serve nuto-Loc Server Location	

— Or —

Click **Dial-In Connection** to make a dial-in connection. Make sure your modem is installed and properly configured. Click **Next** to continue.



Note The ICA Windows-based Terminal does not support modem callback. When using modem callback, the server hangs up on dial-in connections at logon and then dials a specified number to reconnect to the user attempting to log on. Because Windows-based Terminal contains no mechanism to answer the return call, the ICA Windows-based Terminal does not support modem callback for dial-in connections.

4.5.1.2	The Dial-In	Devices	page appears:
---------	-------------	----------------	---------------

OP			
Dial-In Devices	;	RDP	
Dial-In Device	Serial Cable on COM1:		Configure
Phone Numbe		<u> </u>	
Phone Numbe			
1			
Use Tone	Dialling		
	< Back Next >		
Cancel	< Back Next >	Done	

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From the pull-down list, select your modem. In the **Phone Number** box, type the phone number, including area code, phone number, and country code of your Citrix server. Click **Next** to continue. Skip to section **4.5.1.6**.

4.5.1.3 The Select a Server or Published Application dialog appears:

RDP left a Metaframe Server or Published Application left a Metaframe server from the list or enter a server name) Server Dublished Application (- 0
lect a Metaframe server from the list or enter a server name	- 0
	- 0
	ica
Refre	sh
u can change your server location settings by clicking Server Location.	
mary Metaframe server: (Auto-Loc Server Location	
Cancel < Back Next > Done	

4.5.1.4 Click <u>Server</u> to connect to a server or <u>Published Application</u> to connect to a published application. Click "<u>Refresh</u>" and then WBT will search for the available Citrix servers on the network. A message will display as below:

Searching for Citrix servers

inection Name		Type RDP	Startup
	Aletaframe Server or aframe server from the list		n (
Server	<u>Published Appli</u>		ica
RD_SRV	**************************************		
KU_SKV		(Refresh
	nge your server location se aframe server: (Auto-Loc		
Cancel	<pre></pre>	t> Done	
Cancer			

Then the available Citrix server names will be displayed:

-

Select a Citrix server you would like to connect to:

on Name		Type	Startup
Relact a Motafr	ame Server or Publ	RDP ishod Applicatio	
	Published Application	(-

If your WBT is not on the same network as the Citrix server you would like to connect to, the server name will not appear in the list (this would occur if you are on the other side of a router, across the Internet, or using RAS to connect to a remote network containing Citrix servers). In this case, click **Server Location** and go to section **4.5.1.5**. Otherwise, scroll through the list and select the Citrix server or published application or type the name of the Citrix server or published application in the edit field. Click **Next** to continue, and go to section **4.5.1.6**.

4.5.1.5 The Server Location dialog box appears:

RDP	tion Name		Type RDP	Startup
		arver Location		
	Selec	Server Group Primary		6
	RD_S	Address		
	RD_	Add (Auto-Locate		ж р
		Delete	Car	ncel
	You o			
	Prima		Defa	ult List
		TCP browse	r 🔽	
		<i>k.</i>		

Remote Application Manager uses the information entered in the **Server Location** screen to help locate available Citrix servers and published applications.

The default server location protocol is **TCP Browser** and the default value entered in the **Address** field is **Auto-Locate**.

Click Add and enter the IP address or DNS name of any Citrix server on the remote network. Click OK, then click Next to section 4.5.1.6. The following figures show the sequence of settings.

onnection Name }RDP	Type RDP	Startup
Selection Selection RD RD You co Prime C TCP	Address ver address: K Cancel	

4.5.1.6 The Select a Title for the ICA Connection page appears:

RDP	ion Name			Type RDP	Startup
	Select a title for t	for the ICA Cor	nection		ોદલ
	WIN2K	could be			
	Cancel	< Back Ne	xt >	Done	

Enter a name for the connection entry. The name you choose is the name of the entry in the **Current Client Connections** list and appears in the title bar of the ICA session window.

4.5.1.7 Click "Done" to save the entry or "Cancel" to exit the new connection entry dialog box without saving the entry. You also can click on "Next" to continue configuring other detail settings, the details will be described in section from 4.5.3.2 to 4.5.3.6. Once you have created a connection entry, the name appears in the list of connections in Connection Manager.

4.5.2 Connecting to a Citrix Server

4.5.2.1 To start a previously defined connection

- b. In the Connection Manager dialog box, click the Connections tab.
- c. Select the desired connection name and click Connect.

If you specified a valid user name and password in the connection entry, you are logged in as that user.

If no user name and password are present in the entry or the information is incorrect, the server logon dialog box appears. Enter a valid user name and password for the Citrix server and click "**OK**" to log on.

	Login In Window	Alicrosoft
Pastword(P): OK Cancel Option(O)>+	æ	Crawnight r \$35, \$50
		-Add Halling-

4.5.3 Changing a Connection Entry

This section describes how to change the properties of an existing connection entry.

4.5.3.1 To change the properties of a connection entry

- d. In the Connection Manager dialog box, click the Configure tab.
- e. Click the name of the connection entry that you want to change.

Click Edit to display the Edit Connection Details dialog box.

RDP WIN2K Connection Details	RDP ICA	
Connection Details		
Contraction posters		Ok
/er Application Logon Window Options Title I	Firewall Settings	
u can change your server location settings by clicking Server L nary Metaframe server: (Auto-Loc Server Location	_	
		_

- f. Make the desired changes.
- g. Click OK to save your changes.

The Edit Connection Details dialog box contains the following tabs:

- a. The **Server** tab (network connection entries only), where you can set the server or published application name to which to connect. There is also a button to display the **Server Location** dialog box where you can set Business Recovery options, please refer to section 4.5.1.5 for more information.
- b. The **Dial-in** tab (dial-in connection entries only), where you can set the area code, country code, and telephone number to dial. You can use the settings on this page in the same way as when you first set up the connection entry, see "Creating a New Connection Entry" for more information.
- c. The **Application** tab, where you can specify an application to run after connecting to a Citrix server, see section 4.5.3.2 "Specifying an Application to Run after Connecting to a Citrix Server" for more information.
- d. The **Logon** tab, where you can set the user name, password, and domain to log in to the Citrix server automatically, see section 4.5.3.3 "Specifying Logon Information" for more information.
- e. The **Window** tab, where you can set the number of colors used for the ICA Client window, see section 4.5.3.4 "Changing the Window Properties" for more information.
- f. The **Options** Tab, where you can control the connection between the Citrix server and your WBT and configure sound support, see section 4.5.3.5 "Setting Connection Entry Options" for more information.
- g. The **Title** tab, where you can change the name of the connection, the name appears in the list in the **Connection Manager** dialog box. See section 4.5.3.6 "

The **Firewall Settings** tab, where you can configure the client to use a SOCKS proxy and alternate address re-mapping, see section 4.5.3.7 "Configuring Firewall Settings" for more information.

4.5.3.2 Specifying an Application to Run after Connecting to a Citrix Server

Use the **Application** tab to specify an application to run after connecting to a Citrix server. If you specify an application, you do not see the Windows desktop when you connect and the connection is closed when you exit the application.

Note This tab does not apply to connection entries for published applications. Any value entered is ignored.

- a. In the Connection Manager dialog box, click Configure.
- b. Select the connection entry that you want to change and click Edit.
- c. Click the Application tab.

Connections Configure	Type RDP ICA	Startup	
Edit Connection Details			ОК 🔽
Server Application Logon Window Op	tions Title Firewall Setting	38	
Command Line:			
Add Edit	Delete Startup		

- d. In the **Command Line** box, specify the path and file name of the application to be run after connecting to the Citrix server. For example, to launch Notepad automatically after connecting to the Citrix server, type: C:\Wtsrv\Notepad.exe
- e. In the **Working Directory** box, specify the working directory to be used with the application. If you use Notepad to work on documents in the C:\My Documents directory, type **C:\My Documents**.
- f. Click **OK** to save your changes.

When you log on to the Citrix server, Notepad begins. In Notepad, if you select **Open** from the **File** menu, the C:\My Documents directory is displayed.

4.5.3.3 Specifying Logon Information

You can include the settings needed to log on to the Citrix server as part of the connection entry. This saves time when connecting to the server but is less secure.

- a. In the Connection Manager dialog box, click Configure.
- b. Select the connection entry that you want to change and click Edit.
- c. Click the Logon tab.
- d. Type a valid user name, domain, and password. If you leave these boxes blank, you are prompted for your user name, domain, and password each time you connect to the Citrix server or published application.
- e. Click OK to save your changes.

Connection Manager (Pres	Type ICA	Startup
Edit Connection Details	ICA	OK 🔀
Server Application Logon Window O If desired, you can specify logon information to connecting to the remote application. Username: Password: Domain: Allow Smart Card logon		5
<u>Add</u>	Delete Startup	

4.5.3.4 Changing the Window Properties

Use the Window tab to change the number of colors to use for ICA connections made using the connection entry.

- a. In the Connection Manager dialog box, click Configure.
- b. Select the connection entry that you want to change and click Edit.
- c. Click the **Window** tab.

RDP		Type RDP	Startup	
🖳 WIN2K Connection Details		ICA		ОК
ver Application Logon	Window Options Title	Firewall Setting	25	

- d. In the Window Colors box, set the number of window colors to 16, 256, Thousands or Millions.
- e. Click OK to save your changes.

4.5.3.5 Setting Connection Entry Options

Use the **Options** tab to set options specific to the connection entry, such as data compression and sound support. a. In the **Connection Manager** dialog box, click **Configure**.

- b. Select the connection entry that you want to change and click Edit.
- c. Click the **Options** tab.

Type	Startup
ICA	
Title Firewall Settin	gs
ache	
~	
~	
	RDP ICA

- d. Click **Compress Data Stream** to reduce the amount of data transferred between the ICA Client and the Citrix server. If your connection is bandwidth-limited, enabling compression can increase performance. If your client device is on a high-speed LAN, you may not need compression. If you have sufficient bandwidth, leave compression off to conserve processing power on the Citrix server.
- e. The Cache feature is not supported in this ICA client version.
- f. Click Enable Sound to enable sound support. From the pull-down list, select one of the following quality levels.
 - **High**. This value provides the greatest audio quality but should be used only when bandwidth consumption is not a concern.
 - Medium. Using this value results in less bandwidth consumption than when using High. Compression of sound data
 provides greater bandwidth efficiency but reduces sound quality somewhat. This value is recommended for most
 LAN-based connections.

- Low. This value offers the most efficient use of bandwidth but also decreases sound quality severely. This value is recommended for low-bandwidth connections, including most modem connections.
- g. Click **OK** to save your changes.

Connection Name		Type RDP ICA	Startup	
dit Connection Details				OK
Server Application Logon Window	Options T	itle 🛛 Firewall Setting	gs	
Compress Data Stream	Jse Disk Cache	•		
Sound Quality: Low	~			
Sound Quality: Low SpeedScreen: Medium Low Encryption Level: Basic	~			

4.5.3.6 Changing the Title of the Connection Entry

By click on the Title tab you can change the title of this selected connection entry.

Click **OK** to save your changes.

RDP WIN2K	Type RDP ICA	Startup	
Connection Details			OK
ver Application Logon Window	Options Title Firewall Setting	gs	
N2K			
N2K			

4.5.3.7 Configuring Firewall Settings

If you are using a SOCKS proxy server to limit access to your Citrix servers, you must configure the ICA Client to connect to Citrix servers through a SOCKS proxy server. You can configure a default SOCKS proxy for all connections or use only a SOCKS proxy with a specific connection file. To do the former one please refer to the section

- To configure a SOCKS proxy server for a specific connection entry
- a. In the Connection Manager dialog box, click Configure.
- b. Select the connection entry that you want to change and click Edit.
- c. Click the Firewall Settings tab.

Connection Name	Type RDP ICA	Startup	
dit Connection Details			OK [
	L/TLS Relay ddress of relay	Port	
	Use alternate address t Firewalls		

- d. Click Connect via SOCKS proxy.
- e. In the Address of proxy to use box, enter the SOCKS proxy server's IP address.
- f. In the **Port** box, enter the proxy server's port number (if different than 1080).
- g. Click **OK** to save your changes.

Connection Name	Type Startup RDP ICA	
it Connection Details		OK
none (direct) 28-bit encryption to 50CKS 28-bit encryption to 50CKS 9-bit encryption to 50CKS 9-bit encryption to 1080	Address of relay Port	

• Configuring Alternate Address Translation

If the ICA Client is outside a firewall that uses address re-mapping, you must configure the ICA Client to use the alternate address returned by the master ICA Browser. This is necessary even if you are not using a SOCKS proxy server.

Note You must also use the ALTADDR utility to manually set the alternate address for each Citrix server, See the Command Reference appendix of either the *MetaFrame Administrator's Guide* or the *WINFRAME System Guide* for more information.

Note If you set alternate address translation for all connection entries, it cannot be disabled for specific connection entries.

◆ To use alternate address translation for a specific connection entry

In the Connection Manager dialog box, click Configure.

Select the connection entry that you want to change and click Edit.

Click the Firewall Settings tab.

Connection Name	Type RDP ICA	Startup	
t Connection Details			OK
ver Application Logon Window Opi oxy none (direct) v USTE: Enable SSL or 128-bit encryption to ssure a secure connection roxy address Port : 1080	tions Title Firewall Setti SSL/TLS Relay Address of relay	Port : [443	
1	Use alternate address t firewalls	hrough	

Click Use alternate address for firewall connection.

Click **OK** to save your changes.

4.6 Remote Dial-Up/ Direct Cable Connection/ VPN Operations

4.6.1 Remote Dial-Up Connection

4.6.1.1 Make New Connection

- 1. In the Connection Manager dialog box, click the Configure tab.
- 2. Click Add.
- 3. Scroll through the list and choose Remote Dial-up/ Direct Cable Connect/ VPN, click OK to make a new connection.

RDP		Туре	Startup
WIN2K		RDP ICA	
	New Connection		
	Select the type of connection b		
	Remote Dial-up / Direct Cable C		
		OK Car	ncel

4.6.1.2 Selecting the Connection Type

Choose the connection type by clicking on the radio button. It will decide which connection you want to connect with a server. Three options are available:

Choose **Dial-Up Connection** radio button if you desire to connect with the server through the modem; Or select **Direct Connection** radio button to connect with the server through serial port RS 232; Or select **Virtual Private Network** radio button to build a VPN connection. Here we choose "Dial-Up Connection", then click on **Next**.

onnection Name }RDP }WIN2K		RDP	Startup
WINGK	Make New Connection		
	Type a name for the connect	ction:	
	Select the connection type: DIal-Up Connection Direct Connection Virtual Private No	on in	
	< 8	ack Next >	

4.6.1.3 Make New Dial-Up Connection

The **Make New Dial-Up Connection** dialog should now appear. Select the serial connection for the current COM port being used for the connection. Then click on **Configure**...

	RDP	
WIN2K	Configure	
	ecurity Settings Back Next >	

4.6.1.4 Device Properties

Port Setting

The Device Properties dialog should now display. Select the **Port Settings** tab and set the connection preferences (Baud Rate, Data Bits, Parity, Stop Bits, Flow Control) to match the host.



Call Options

Select the Call Options tab. Select "Wait for dial tone before dialing" and deselect the rest of the options. Click "OK" when finished.



4.6.1.5 TCP/IP Settings

From the **Make New Dial-Up Connection** dialog click on the **TCP/IP** Settings button. In the TCP/IP Settings dialog select the **General** tab. Check the Use server assigned IP address, Use software compression and Use IP header compression. **TCP/IP Settings**

Connection Name		RDP NCA	Startup
🗒 WIN2K	TCP/IP Settings	OK 🔀	
	General Name Servers		
	Connection		
	Use server-assigned IP	address	
	1 4		
	Use Sip		
	Use software compress Use IP header compress		

Name Servers

Now select the Name Servers tab. Select Use server assigned addresses. When finished, click OK. Set Primary and Second DNS, Primary and Second WINS if you decline to use Server-assigned address.

nnection Name RDP WIN2K		Type RDP MCA	Startup
AA II NGP	TCP/IP Settings	OK 🔀	
	General Name Servers		
	Connection		
	Use server-assigned address	es	
	DNS	1	
	Alt DNS:		
	WINS:		
	Alt. Wilkis:		1

You will be back in the Make New Dial-Up Connection dialog when finish setup.



4.6.1.6 Security Setting

From the **Make New Dial-Up Connection** dialog click on the **Security Settings** button. Use the **Security** properties sheet to access security features if you want.

Connection Name	Security Settings	K Kartup
B WIN2K	Advanced Security Settings Use Data encryption Logen security: Use Extensible Authentication Protocol (EAP) MDS-Chalenge M	
<u>A</u> dd	Orbaerope nanosa Autoenozadon Hotocol (UNPY) Morosoft CHAP (MS-CHAP) Morosoft CHAP Verson 2 (MS-CHAP V2) Or MS-CHAP based protocols, automatically use my Windows logon name and password (and domain if any) Edit Delete	

4.6.1.7 Country, Area code and Telephone

Below the Country, Area code and Telephone number must be entered correctly in the blank area for Dial-Up Connection. Click "Finish" to end this dialog. **Dial-Up Connection**

Connection Name		Type RDP MCA	Startup
a vince	Phone Number Image: Connection Country/region code: Area code: Phone number: Image: Proce long distance Image: local	×	
Add Edi	< Bac		

4.6.1.8 To start PPP Dial-Up Connection

In Connection Manager dialog box click Connections tag and select the RAS connection you would like to connect to. The following figures will appear. You will have to enter the **User Name**, **Password** and **Domain** to log on the connection.

nection Name		Type	Status
onnection DP		RAS	Active
/IN2K Dial-Up Connec	Von		
User Name: Password: Dgmain:	Save password	Phone: 9,222571 Dial from: Work Dial Pro	73 operties Cancel

In this dialog you can click on "Dial Properties..." to configure the Dialing Properties shown as below:

VEAX Disling Properties When daing from: Vote: Local setting: are: The local area code is: 1 The local grants/region code is: 1 Disling Patterns The local contry/region code is: 2 Disling Code is: 2 Disling Code is: 2 Disling Code is: 3	Connection Nan Connection RDP	0		Type RAS RDP	Status Activo
Local settings are: The local grea code is: 425 Dialing Patterns The local gountry/region code is: 1 Dial using: O Ione Dalse	WIN2K	Daling Properties			OK 🔀
The local great code is: 1425 Dialing Patterns The local gountry/region code is: 1 Dialing: ① Ione ① Pulse	V	Vhen dialing from: Work		<u>v</u> <u>N</u> ew	Remove
Dial uzing: Dial cone O Bulse			ы: <mark>425</mark>	Dialing Pat	terns
		Dial usir	ng: Olone	O Bulse	
	L	-			1

You can click on "New..." to add a new location you would like to dial from. The figure shows as below. To delete the newly added location, simply click on "Remove".

Connection N			Type RAS	Status Activo
BRDP WIN2K	Property	15	RDP	OK 🗙
	When daing from	: Work Create New Location	Now	. <u>Remove</u>
	Т	Greate a new location nam		tterns
	The local cd	Darusing: 01	one O guse	

The "Dialing Patterns..." dialog lets you configure the settings shown as below.

Once everything is correctly set up, click on Connect on Dial-up Connection dialog. The target and host should now be connected. You should see connection icons in the status bars of your host and target. Once the PPP Dial-Up is connected successfully, then press the Hot-keys "Ctrl +Alt + End " to back to the "Terminal Connection Manager "and double click on RDP or ICA for connection.

4.6.2 Direct Connection

4.6.2.1 Make a New Direct Connection

In the Make New Connection dialog select Direct Connection radio button. Then click on "Next".

tion Name		Туре	Startup
		RDP	
	Make New Connection		1 a
	Type a name for the connect	ion:	
	Connection	1	
	Select the connection type:		
	Dial-Up Connection		
	Direct Connection		
	Virtual Private Net		
		and the	
		and a strength of the	
	< 8a	ck Next >	

The Make New Direct Connection dialog should now appear. Select the serial connection for the current COM port being used for the connection. Then click on "Configure" and click on "TCP /IP Setting". The setting of "Configure" and "TCP/IP Setting" are the same as stated in the Make New Dial-Up Connection above.

BDP Device: Via Solicit a device: Serial Cable on COM2: Vi Serial Cable on COM2:		KOP KUN2K
Device: Solution Solect a device: Senid Cable on COM2: Senid Cable on COM2:		PYINGS
Select a device: Serial Cable on COM2:	and the second	
Serial Cable on COM2:	nection	
Serial Cable on COM1:	ce:	
Serial Cable on COM1:	on COM2:	
	in COM1:	
Senar Case Of Conce	in COM2:	
TCP/IP Settings Security Settings	ttings Security Settings	
< Back Finish	< Back Finish	

Click on "Finish" once the "<u>C</u>onfigure", "TC<u>P</u> /IP Settings" and "Security Settings" have been completed. Then you will go back to the Configure entry of Terminal Connection Manager.

4.6.2.2 To Start Direct Connection

In Connection Manager dialog box click Connections tag and select the RAS connection you would like to connect to. The figure shows as below.

Connection RAS Activ RD RD WINXX ICA	he
Connecting to Connection	
Connecting to Host Hide this message: Cancel connection: Cancel	

The target and host should now be connected. You should see connection icons in the status bars of your host and target. Once the Direct Connection is connected successfully, then press the Hot-keys "Ctrl +Alt + End " to back to the "Terminal Connection Manager "and double click on RDP or ICA for connection.

4.6.3 Virtual Private Network Connection

4.6.3.1 Make a New Virtual Private Network Connection

In the Make New Connection dialog select "Virtual Private Network" radio button. Then click on "Next".

Connection Name		Type RDP	Startup
II WIN2K	Make New Connection	100	
	Type a name for the connection Select the connection Select the connection Dial-Up connect Direct Connectio Wrbual Private Name	on	
	< 0	ack Next >	

The Make New Virtual Private Network Connection dialog should now appear. Type in the Host name or IP address you wish to connect to. Then click on "TCP /IP Setting" .The TCP/IP Setting is the same as stated in the Make New Dial-Up Connection above. After all done, click on "Finish" to go back to the Configure entry of Terminal Connection Manager.

Connection Name BROP BWIN2K		Type RDP ICA	Startup
	Connection	8	
	Host name or IP address:		
	P.		
	TCP/IP Settings Securit	y Settings	
	< Qack	Finish	

4.6.3.2 To start Virtual Private Network Connection

In Connections entry of Terminal Connection Manager select the RAS connection you would like to connect to. The target and host should now be connected. You should see connection icons in the status bars of your host and target. Once the Virtual Private Network Connection is connected successfully, then press the Hot-keys "**Ctrl +Alt + End** " to back to the "Terminal Connection Manager "and double click on RDP or ICA for connection.

nnection Name Connection RDP WIN2K		Type RAS RDP ICA	Active
	Connecting to Connection Connecting to Host Hide this message: Cancel connection:	Hide Cancel	

4.7 Microsoft Internet Explorer Connection

This is an optional function for your WBT; check your vender for this support before your purchase. This local browser connection will require more RAM utilization and powerful CPU to have better performance. This WBT is equipped with a CPU of outstanding speed to offer you a local browser session you never experience before.

4.7.1 To Make a New Microsoft Internet Explorer Connection

To make a new connection follow the below steps: In **Connection Manager** dialog box click on Configure tab, click on **Add** to add a new connection, scroll through the list in the box, choose **Microsoft Internet Explorer**. Then click on **OK** to continue.

iection Name 3P IN2K	Type RDP ICA	Startup
New Connection Select the type of con [Verosoft internet larg	lorer	National Sciences
Mucrotoff internet larg		

The following figure shall now appear. Type a name and your desired Start Page for this connection, click on **OK** to complete this connection. This Web connection will now show on the Connection Manager.

nection Name OP		ype OP	Startup
(INDK	TC TC		
nternet Options			ок
General Connection Security	Privacy Advanced	Popups	
Connection			
Start Page: http://www.n Search Page: http://search.			
User Agent (requires browser		(indows CE)	.~
Cache Size (in KB): 512	Clear Cac	he l	Clear His <u>t</u> ory

You could choose to connect by LAN on "dial up".

nection Name	Type Startup
DP /IN/2K	RDP TCA
nternet Options	OK OK
General Connection Security	Privacy Advanced Popups
Use LAN (no autodial) Au	utodial name: 📔 👱
Network	
Access the Internet using	a proxy server
Address:	<u>P</u> ort: 80
Bypass proxy server for loc	al addresses

- a.
- If you have a proxy server, you could enable it when access to the Internet. Or you could by pass your proxy server when connecting to the local Internet. b.

1N9K Internet Options	ICA	
ntemer opdans		ок 💈
General Connection Security Privacy Ad	vanced Popups	
Network Access the Internet using a proxy server Agdress: 192.168.0.50 Bypass proxy server for local addresses	r Port: 80	-

This column is the **security** settings for Internet.



You can customize the security level in this dialog box.

nection Name	Type	Startup
DP	RDP	
(TN2) Internet		OK 🛛 🚺
Disable Enable Prompt	controls marked safe for scripting ipt ActiveX controls not marked ntrols and plugins	

The privacy Internet setting can be set up in this dialog box.

ection Name	Тур	9	Startup
inisk B	RDP TCA		
ternet Options	11.0		OK 🛛
eneral Connection Security	Privacy Advanced		
and the second	Privacy Advanced	opups	
Cookies First-party Cookies	Third-party Coo	views	
		(IB2	
<u>Accept</u>	O Accept		
Block	Block		
O Prompt	Prompt		
Always allow session cooki	es		

In this dialog box, you can setup the advanced Internet setting.

nection Name OP	Type RDP	Startup
IN2K	TCA	
nternet Options		OK D
General Connection Security	Privacy Advanced Popups	
		~
📃 Always expand ALT text		
Anchors navigate on acc	ess key	
Browsing Always send URLs as UTF		
Display a notification abo		
Enable stylesheets		
Enable name transitions		<u></u>

You can block the popup windows in the $\ensuremath{\textbf{Popups}}$ dialog box. $% \ensuremath{\textbf{Popups}}$.

ection Name	Type	Startup
o N2K	RDP	
ternet Options	1 0	0K
eneral Connection Security Priva	v Advanced Popups	1
eneral Connection Security Priva	cy Advanced Popups	Į
Popup Windows		
🛃 Block popups		
Exceptions	anced	
Display notification when a popup	has been blocked	
Open new pages in the current v	vindow	
_ opennion pages in the canonic i	indon	

nection Name	Type Startup
DP Popup Exceptions	RDP
Fahab Excelatore	
Allow popups from the following	ng web sites:
	Add
	Remove
I	
	OK Cancel

Set the web sites that you allow to popup.

You can also select the events you want to block their popups.

DP	n Name	Type RDP	Startup
/TNI26	opup Filter		
Gene	Only block popups on the sele	cted events	
	Load/Unload events Keyboard events Mouse click events Mouse move events Focus events Form submit events Window timers Inline script		OK

4.7.2 To Start a Microsoft Internet Explorer Connection

To start this connection simply press F2 to enter the Connection Manger, then click on Connections tab, double click this Web connection. If your network settings have been correctly set up then this is going to work.

onnection Name	Type	Status
RDP	Web RDP	
WIN2K	ICA	

4.8 **Microsoft Media Player**

To Make a New Microsoft Media Player Connection 4.8.1

To make a new connection follow the below steps: In Connection Manager dialog box click on Configure tab, click on Add to add a new connection, scroll through the list in the box, Microsoft Media Player. Then click on OK to continue.

nnection Name JE RDP Witk2k	Type Wob RDP ICA	Startup
New Connection Select the type of Microsoft Media Pla	connection to create:	
	OK Cano	

4.8.2 The MediaPlayer Editor V2.0

The Dialog of MediaPlayer Editor V2.0 will be showed. You can set the following options:

- (1) Windows Media Buffering: select the buffer 1seconds <-> 5 seconds
 (2) Volume: You can set the volume when playing the media and select the sound is mute or loud.
- (3) PlayBack : Select Play Once when you want to play a time . Or select Repeat Forever when you want the media repeat to play.
- (4) ZOOM: If the Enable Full Screen is enable. You can see the media is played in full screen mode. You can also select the windows size when the media starts to play. And press ALT + ENTER or ESC to switch between full mode and general mode.
- (5) Play Default Media Files: You can set which file will be played .The Playlists means the recent media which be played. The Favorites displays the media files, which you add to my favorites in media player. And if you want to type a media file name and path by yourself. You can select Edit Define.

mections Configure	MediaPlayer Editor V2.0 🛛 🕅 🔀	
Connection Name B IE Mada Player BROP BROP WVINOK	Windows Modia Bufforing Volume Image: Second biological second bi	Startup
	S0% File 50% Play Default Media File C00% C00% PlayIsts Favorites © Edit Define [windows/dofault.way Control Control	
	Media Network Share	

To Start a Microsoft Media Player Connection 4.8.3

To start this connection simply press F2 to enter the Connection Manger, then click on Connections tab, double click this Web connection. If your settings have been correctly set up then this is going to work.

nnection Name	Type	Startup
IE Mecka Plaver RDP WIN2K	Web MediaPlayer RDP ICA	



5 Advanced Function for Connections

This WBT provides some advanced function for all connections such as Multiple Auto Start-Up and Multiple Auto Reconnect.

5.1 Multiple Auto Start-Up

In Configure tab of Terminal Properties dialog you can choose the connection entry you wish to configure, then click on "Startup", the following figure will appear:

Terminal Connection Manager (
Connection Startup					
Startup Options Automatically start the selected connection at startup. Set wait					
Connection Name	Туре	Wait Seconds	Startup Segence	Reconnect	
Up Seqence Down Seqence	Delete	Reconnect			
			<u>O</u> K	Cancel	

Click on "Add" to add this connection in the list of Startup list. You can repeat this action to have multiple Startups. Use "<u>Up</u> Sequence" and "<u>D</u>own Sequence" to set the priority of starting all the connections. Before this function works successfully, make sure the user names and passwords for all selected connections have been set up properly.

Terminal Connection Manager (Press F2 to set Terminal Properties)					
Connection Startup					
Startup Options Automatically start the selected connect Set wait 0 + seconds to auto Connection Name ICA My Connection RDP		Wait Seconds 0 0 0	Edit Startup Segence 1 2 3	Reconnect No No No	
Up Seqence Down Seqence	D <u>e</u> lete	<u>R</u> econnect			
			<u>O</u> K	Cancel	

5.2 Multiple Auto Reconnect

In the same figure above you will also find an icon of "Reconnect". This is to set this WBT to immediately and automatically reconnect the same session that you have just logged off. This special function can be widely optimized when the WBT is placed in a public area.

Terminal Connection Manager (Press F2 to set Terminal Properties)						
Startup Options Automatically start the selected connection at startup. Set wait 0						
Connection Name	Type	Wait Seconds	Startup Segence	Reconnect		
ICA.	ICA	0	1	No		
🗐 My Connection	RAS	0	2	Yes		
SRDP .	RDP	0	3	Yes		
Up Segence Delete Reconnect						
			<u>O</u> K	Cancel		

6 Terminal Properties

Terminal properties can be reset at any time during the normal terminal operation. In any connection you can just press the hot-keys "**Ctrl+Alt+End**" to return to **Terminal Connection Manager** dialog box. By pressing the **[F2]** key to invoke the **Terminal Properties** dialog box.

Terminal Properties	OK 🗙
General Display Control Panel	
Website: System Settings Change	
Product N	
Product II Are you sure that you would like to reset	
Software the terminal to its factory default settings?	
Microsoft	
Memory S Yes No	
Flash Merr	
Bootloader Version: Bootloader Version 4.00 Build 002(SiS)	
Terminal Name WBT90120250845e	
Group Name	
\mathbf{V} Reset the terminal to factory-default property settings.	

6.1 General Tab

The following figure shows the dialog box.

In this dialog box it describes all the general information about this WBT. The information may vary from that shown in above figure

nyure.	
Terminal Properties	ок 🔀
General Display Control Panel	
· · · · · · · · · · · · · · · · · · ·	
Website:	
Product Name:	
Software Version:	1.00
Microsoft Windows CE:	5. 0
CPU Speed:	Unknown
Memory Size:	64MB
Flash Memory Size:	32MB
Bootloader Version:	Bootloader Version 5.00 Build 001(Eden)
Terminal <u>N</u> ame	WBT90120250263a
<u>G</u> roup Name	
Reset the terminal to	o factory-default property settings.

6.1.1 Reset the terminal to factory default property settings

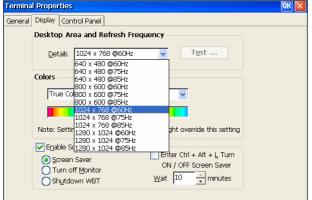
Tick the "**Reset the terminal to factory default property settings**" and click on "**OK**", this WBT will ask for rebooting this system to take effect the setting change.

General Display Control Panel
Website:
Product N
Droduct II
Software the terminal to its factory default
Microsoft 1
Flash Mem
Bootloader Version: Bootloader Version 4.00 Build 002(SiS)
Terminal Name WBT90120250845e
Group Name
Reset the terminal to factory-default property settings.

6.2 Display Configuration

The **Display** properties sheet lets you configure the terminal's display screen. Invoke this properties sheet by clicking on the **Display** tab in the **Terminal Properties** dialog box. The following figure shows the properties sheet. You can also **Test** your display after selecting one Refresh Frequency, the new testing mode will appear. The graphics adapter will be set to the new mode temporarily for about 5 seconds so you can determine whether your display works properly.

Display Properties Sheet



6.2.1 Enable Screen Saver

Tick the "Enable Screen Saver" and you can configure your desired way to enable the screen saver for this WBT. There are three options to choose: Screen Saver, Turn Off Monitor and Turn Off WBT. You can leave this WBT to activate the function automatically according to the time you set. Or you can tick "Enable Ctrl + Alt + L Turn ON/OFF screen saver" to manually activate/deactivate any one of the left three energy savers you tick by pressing the hot-keys of "Ctrl+Alt+L".

There is still one hidden option of "Enable Property Password" to gain more security protection. To have this option available you have to click "Control Panel" tab and double click on Security tab. Please refer to the description mentioned earlier in section **6.5.11**.

Terminal Properties OK	\times
General Display Control Panel	
Desktop Area and Refresh Frequency	
Details 1024 x 768 @60Hz V	
Colors	
True Color(32 bit)	
Note: Settings on the remote computer might override this setting	
✓ Enable Screen Saver Enter Ctrl + Alt + L Turn O Screen Saver ON / OFF Screen Saver O Turn off Monitor ON / OFF Screen Saver Shutdown WBT Wait	

6.3 Control Panel Tab

The **Control Panel** properties sheet lets you configure your terminal's function. In this dialog box it describes all the information of the terminal function about this WBT.



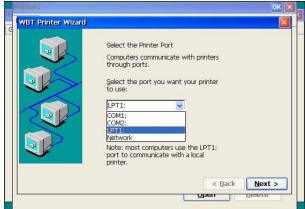
6.3.1 Printers Properties

The Printers properties sheet lets you setup this terminal's Local Print.

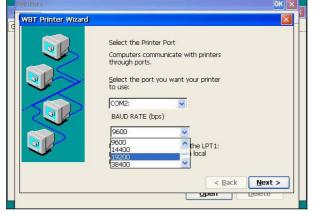
Printers Properties Sheet	
WBT Setup Wizard	×
Printers	OK 🔽
Printer	
Add Pinter	
	<u>Open</u> <u>D</u> elete

Select one of the ports, LPT1, COM1 or COM2 that you want to use to communicate with your local printer. Or you can select Network to set a network printer. When you select the COM1 or COM2 .You can also select the baud rate of COM1 or COM2 port.

Select the Printer Port

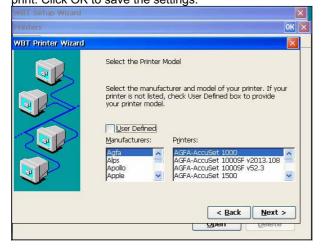


Select the Printer Port & BAUD RATE (For COM1 or COM2)



6.3.1.1 Select the Printer Model

Select the manufacturer and model of your printer. If your printer name is not listed, check with your printer document and select one that is closer. If you want this local printer as your terminal's default print, then check the box Make this the default print. Click OK to save the settings.



The detail has been described in section **3.2.4** to **3.2.6.2**.

After the printer setup OK, the added printer model appears in the list of the printer.

WBT Setup Wizard	X
Printers	OK 🗙
Printer	
S S	
Add Printer AGFA- AccuS	
	<u>Open</u> <u>D</u> elete

6.3.2 Keyboard Input

The **Keyboard** properties sheet lets you configure your terminal's keyboard. Invoke this properties sheet by clicking on the **Keyboard** icon. The following figure shows the properties sheet.



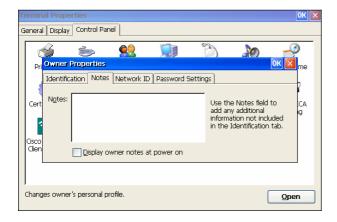
6.3.3 Owner Properties 6.3.3.1 Identification

1.To protect users rights, User could key in their identification data before entering connection manager. 2.Enable"**display owner identification**" at power on, the information will show whenever the machine is on.

Termir						OK	×
Genera	l Display Co	ntrol Panel					
Cert Cisco Clien	Identification Na <u>m</u> e: ⊆ompany: <u>A</u> ddress:	Notes Network	At	Power On Display owne Area code:	er identification	OK The second se	_
Chang	ges owner's pe	ersonal profile.				Open	

6.3.3.2 Notes

User could key in any sentences or words in the column. It will show up if you enable "**Display owner notes at power on**".



6.3.3.3 Network ID

Enter User name and Password when access to the Network.



6.3.3.4 Password Setting

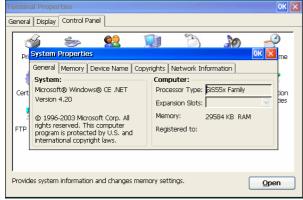
User should key in Password when activating " power on" and " screen saver " functions.

Terminal Properties
General Display Control Panel
Pri Owner Properties Password Password Password Password Password Password Cert Cert Cisco Cisco Cisco Cisco Cisco Cisco C
Changes owner's personal profile.

6.3.4 System Properties

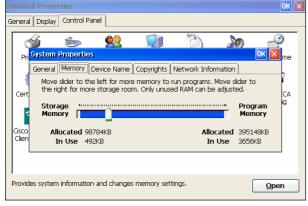
6.3.4.1General

By clicking on the "General" icon, all the system information will be displayed.



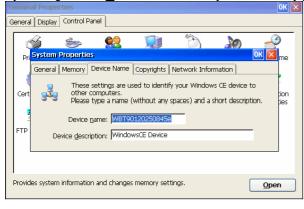
6.3.4.2 Memory

By clicking on the "Memory" icon, you can adjust the memory, as you want to run the programs.



6.3.4.3 Device Sheet

By clicking on the "Device Name" icon, you can identify your Windows CE device to other computers.



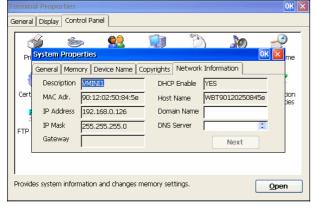
6.3.4.4 Copyrights Sheet

General Display Control Panel 3 3 Ś Pri System Properties General Memory Device Name Copyrights Network Information Depending upon which components you are running, your product may contain the following third party technologies: Cert СA Portions of this software are based on NCSA Mosaic. NCSA Mosaic was developed by the National Center for Supercomputing Applications at the University of Illinois at Urbana-Champaign.Distributed under a licensing agreement with Spyglass, Inc. Cisco Clier ¥ Provides system information and changes memory settings. Open

By clicking on the "Copyrights" icon, the agreement information will be displayed.

6.3.4.5 Network Information

By clicking on the "Network Information" icon, all the existing network information will be displayed.



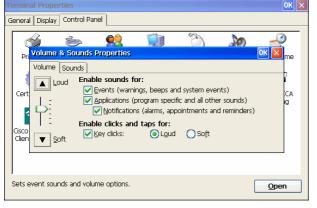
6.3.5 Mouse Properties

Click **Mouse Properties** if you want to configure your mouse setting to Right-Handed or Left-Handed, and the Pointer Speed.

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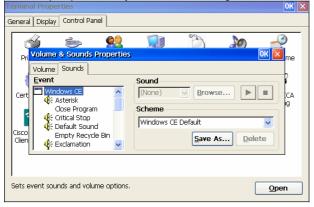
6.3.6 Volume & Sound Properties 6.3.6.1 Volume

Adjust the Volume of the sounds of the client machine.
 Enable sounds for the events, application and notifications.



6.3.6.2 Sound

The sounds of events, application and notifications could be set up as default sound or there are several choices. Browse (test) it before you save the settings.



General Display Control Panel 3 3 \$ Volume & Sounds Properties Pr Volume Sounds Event Sound (None) Browse... ► Cert ĊΑ Scheme Critical Stop Windows CE Default Default Sound Cisco All Sounds Empty Recycle Bin Clie ~ Windows CE Default Sets event sounds and volume options. Open

Set up events and so on sounds as default or no sound.

ouvo ino ooun				ion you o	10100.
Terminal Properties					ok 🗙
General Display Contro	l Panel				
Cert Windd Cert Cit Save Cit Mind Cit Mind Cit Mind Cit Cit Mind Cit Cit Mind Cit Cit Cit Cit Cit Cit Cit Cit Cit Cit	Scheme As this sound schem dows CE Default	ne as:	? Save As	OK X	CCA g
Sets event sounds and	volume options.				<u>O</u> pen

Save the sound scheme as the event which you choice.

6.3.7 Date/Time Properties

User can set up your local time for this device.

General	· · ·		ntro	l Par	nel		
Pri	S Date/ Date/	Time Time	Pro	pert	ies		💭 🏷 🥜 🧭
Cert Cisco Clien	S 31 7 14 21 28	Febru M T 1 2 8 9 15 16 22 23 1 2 8 9	Jary W 3 10 17 24 3 10	199 T 4 11 18 25 4 11	F 5	▶ 6 20 27 6 13	Current Time
Change	es date	e, time	and	time	ezon	e info	ormation. Open

6.3.8 Storage Manager Properties

If the machine is connected with any floppy or Hard drivers, it will show the storage information. User can also format or do the partitions to this local storage device.

Termina			ок 🔀
General	Display Control Panel		
		- 6.	
C	🍯 🚋 <u>🕺</u> 🧏		l 🖓 🕺
Pri	Storage Properties		? OK 🔀 me
	Storage Manager		
1	Store Info:	Partitions:	P
Cert	DSK1: USB Hard Disk Drive 🔽	Part00 *	New
	Capacity: 250.00 MB		
	Unallocated: 6.83 MB		Delete
Cisco	Sector Size: 512.00 B		Properties
Clien	<u>F</u> ormat <u>D</u> ismount		Properties
L			
Manag	e your storage media and disk partitions		Open

6.3.9 Regional and Language Setting

6.3.9.1 Regional setting

Set up the keyboard locale for the local device.

Termina	al Properties OK 🗙
General	Display Control Panel
Prin	Regional and Language Settings 🕐 🔀 🔉
	Regional Settings Input Language
Date/	Your locale nel The locale option affects how some programs format numbers, currency, time and dates. nel English (United States) Customize
Desk St	English (United States)
Change	e how numbers, currencies, dates, and times are displayed.

6.3.9.2 Number

Press the **Customize** the **Number**; **Currency**, **Time** and **Date** pages will appear. There are different types to display the numbers in the settings, however, it will be shown according to what keyboard locale you have set up.

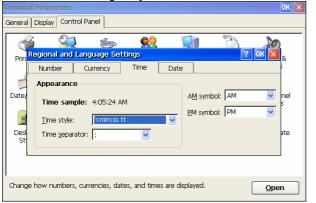
Termin	ial Propercies					<u>un</u> [
Genera	al Display Cont	trol Panel				
Prin	G Strain Regional and) 👘	Q Q Ittings		1	<u>? 0K ⊠</u> &
	Number	Currency	Time	Date		5
Date, Date, Desl St	Negative: -12 Negative numl Display leading	ber <u>f</u> ormat: - zeros: 0	1.1 👽 1.7 👽 1.S. 👽	Digit grou No. of dig	ts af <u>t</u> er decimal: bing symbol: ts in group: ign symbol:	. ⊻ 2 ▼ , ▼ 3 ▼ , ▼ s
Chanç	ge how numbers	s, currencies, da	tes, and time	es are displa	yed.	Open

6.3.9.3 Currency

This currency model will also be displayed according to the locale you have set up.



6.3.9.4 Time



Time could be arranged by turns of hours, minutes and sounds.

6.3.9.5 Date

How you would like to show the date at the client side could be arranged here.



6.3.9.6 Input Language

Set up the Input Language for the local device, and you can also select the input language you plan to use.



6.3.10 Network Status Properties

The **Network** properties sheet lets you set up a method for SNMP upgrades. Invoke this properties sheet by clicking on the **Network** tab in the **Terminal Properties** dialog box. The following figure shows the **Network** properties sheet. If you have a DHCP server, then click on Obtain an IP address from a DHCP server to automatically get an IP address. Or you may specify an IP address by yourself. You can also type a **Name** for the **Terminal**. Refer to page 11 Network Configure. The Terminal Group box is for the centralized remote management software to control WBTs by group name when doing grouping.

'Microsoft null Ether	not Miniport Driver' Settings 🛛 🔣 🔀	
IP Address Name Serv	ware	
An IP address can be	Optain an IP address via DHOP	
automatically assigned computer. If your net	twork Specify an IP address	
does not automatically	y assign	
IP addresses, ask your administrator for an ad	doress, Subnet Masic	
and then type it in the	e space	
provided.	Default Gateway:	

Microsoft nuß Ethomot Minport Driver Settings (M) () [P Addess Name Servers] Name server addresses may be Pemary [296:	
Harmonit and Ethomant Margant (Sattings P Addess) Name Servers Name Servers Name server addresses may be Primary DNS:	
Horosoft ruß Ethomot Mingert Driver' Sittings PAddess Nume Servers Name Servers Name server addresses mar be Permary MNS:	
IP Address Name Servers Name server addresses may be Primary DNS:	
IP Address Name Servers Name server addresses may be Primary DNS:	
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Name server addresses may be Primary DNS:	
Name server addresses may be Primary DNS:	
Name server addresses may be Primary DNS:	
automatically assigned if DHCP	
is enabled on this adapter. Secondary DVS:	
You can specify additional Primary WINS:	
wants or bivis resolvers in one	
space provided. Secondary WINS:	

6.3.11 Security Properties

Use the **Security** properties sheet to access security features if you want. Click to enable terminal security, and deactivate the **Terminal Connection Manager** function and the **Hide Terminal Connection Configure Tab** function. By default the Terminal Connection Manager function is enabled but the Hide Terminal Connection Configure Tab function is disabled.

Enable "Enable Property Password" then type the new password that you wish to change on the "New Password" column, and then re-type it again on the "Confirm Password" column. Both password column must be identical.

Click OK then the WBT will ask for rebooting to save the setting change. After rebooting, before entering the Connection Manager dialog box, this WBT will ask for user name and password that you just typed in. Then go back to this General tab of Terminal Properties dialog, now the "Enable Property Password" option shall show up. Tick it up, then whenever the energy saver is activated and you want to deactivate it to enter the system, this password protection function will show up. Enable **"Enable RDC**", the WBT could be in the control of RM tool.

Enable "Enable VNC", the WBT could be in the control of VNC viewer, and the default password is "password".

Terminal Properties	Security	\times	ок 🗵
General Display Co	Terminal Connection Manager		
S 🗳	Hide Terminal Connection Configure Tab		>
Printers Tern Server	Terminal Properties		e Volume & Sounds
	Enable Property Pass <u>w</u> ord		Sourius
📂 🔍	Property Password:	-	
Date/Time Certifi	Password <u>C</u> onfirm:	-	y Touch Panel Settings
💼 🍯	Remote Display		〕
Desktop Applic			FTP Update
Style Prope	Enable VINC		
	Password: ******		
		_	
Security Function	OK Cancel]	Open

When you enable the Hide Terminal Connection configure Tab function .Your Connection configure Tab will be hided.

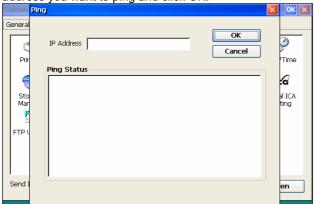
Connections				
Connection Name			Туре	Status
E ICA			ICA RDP	
<u>C</u> onnect	End	Shutdown		

When you disable the Terminal Connection Manager function .Your Connection Manager will be hided.



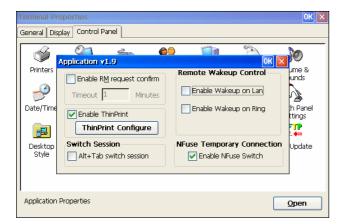
6.3.12 Ping Properties

The **Ping Test Settings** sheet lets you ping the IP address to make sure it's on the network. Invoke this setting by clicking on the **Ping** icon of **Terminal Properties** dialog box. The following figure shows the Ping function tag, just type in the IP address you want to ping and click OK.



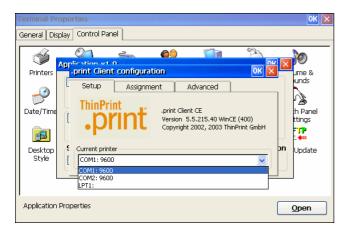
6.3.13 Application Properties

Invoke the **Application** Properties sheet by clicking on the **Apps** tab in the **Terminal Properties** dialog box. The following figure shows this sheet. The functions of the **Application** Properties include, Remote Wake-up Control and NFuse Temporary Connection.



6.3.13.1 ThinPrint

In this Apps tab you can tick "Enable ThinPrint" to use ThinPrint function in RDP or ICA.



6.3.14 Line Printer Daemon Setup

This WBT with WIN CE.NET offers another way of through LPD protocol to send the print job.

LPD is a built-in printing protocol in the BSD type of UNIX. However, it is also available in most UNIX system.

With LPD, users can using UNIX machine for printing purpose or any machine which supports LPD protocol.

6.3.14.1 Setup for LPD

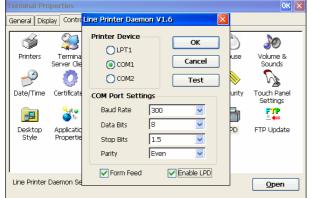
If you plan to use LPD to print your jobs, you need to go through the Setup for LPD procedures as below figure. 1. Double click "LPD" in Control Panel tap.

In the below page, user can select one of the ports, LPT1, COM1 or COM2 port

to be the default printer port. When you select the COM1 or COM2 .You can also select the baud rate of COM1 or COM2 port.

2.Please enable "Enable LPD" so the WBT could activate the LPD function.

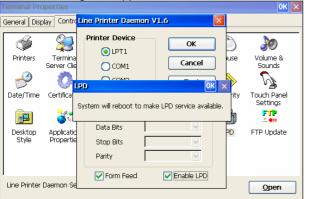
Click "OK" button to save the setting. or User can click "Test" button to perform test procedure.



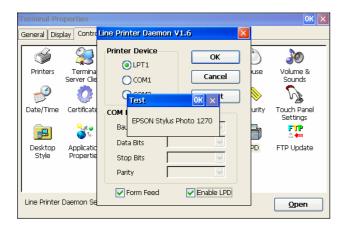
3.After completing the saving procedure,

The WBT will automatic reboot to make the LPD service available.

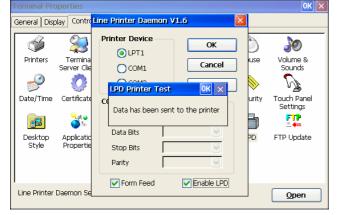
And the message will appear on the screen and then click OK.



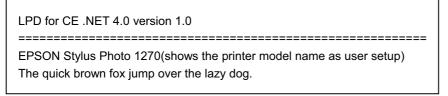
4.Or, user can press "**Test**" button to check if the printer has connected completely as user setting. If connected completely the printer type name will appear on the screen. For example: the connected printer is EPSON Stylus Photo 1270.



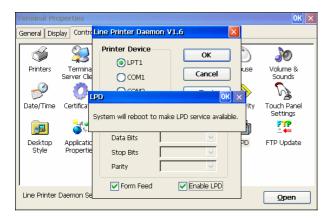
5. Click "OK" to process Test procedure and the WBT will notify user that "the test data has been sent to the printer".



6.Checking the printer then user can find the default characters printed as below.



7.After the Test procedure completely, please click "**OK**" to save the settings. The WBT will automatic reboot to make the LPD service available. And the message will appear on the screen and then click OK.



ок General Display Contro Line Printer Daemon V1.6 Printer Device 23 ٨ Ś ОК ●LPT1 Printers Termin Server Cli JSE Volume & Sounds Cancel COM1 ß P Ô LPD Printer Test OK × Touch Panel Settings Date/Time Certifica riti Can not send data to the printer FTP b Data Bits Desktop Style Applicati Properti ÞD FTP Update Stop Bits Parity V Form Feed 🔽 Enable LPD Line Printer Daemon S Open

8. If the test is fail, the WBT will notify user to check the printer device. Then user has to repeat the printer device setting in section 6.5.14.1

6.3.14.2 Add a remote printer

To add a remote printer, insert a block similar to the following in the /etc/printcap file. **For Example**: Use the SCO UNIX x86

MyPrinter:\ :lp=:\ :rm=:MyPrinter:\ :rp=:MyPrinter:\: sd=/usr/spool/lpd/MyPrinter:\ :mx#0:

Note: MyPrinter maybe define in director as below

/etc/hosts 192.168.0.95 MyPrinter. MyPrinter.DOMAIN.com

e.g. If it works on a BSD UNIX host and makes the directory /usr/ spool/ETPS1 available, then follow these three procedures:

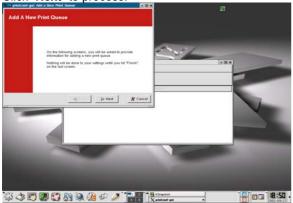
chown daemon /usr/spool/MyPrinter chmod 775 /usr/spool/MyPrinter chgrp daemon /usr/spool/MyPrinter

For Example:

User can setup a printer name and execute a printing instruction using configure tool under the X-Window as below figures. 1.Preform the printer configuration under KDE in Redhat 7.3 O.S. Then click "**New**" button.



2.On the following screen user will be ask to provide information for adding a new Printer Queue. Click "**Next**" to process.

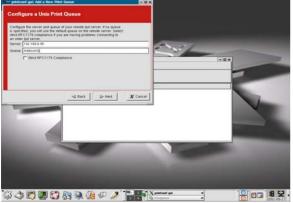


3.In this "Set the Printer Queue Name and Type" page. Please select the "**Unix Printer**" which supports LPD service. And please enter your Queue Name. Then click **Next**.

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et the Print Queue N	lame and Type		
Inter the Queue's name, and to raid names can cordain the ch They must begin with letters. Queue Name	int the Queue's Type anothers "a-d", "A-2", "S-3", "A", and "	2.) ¹	
Astronom		and the second	
Oueve Type			
C Local Printer	LOCAL		
F Unix Printer	LPD		
Windows Perdar	SMB S		
C Novell Printer	NCP		
C JetDrect Preter	JETDRECT		
-	-		
4688			

4.the "Configure a Unix Print Queue" page will appears.

User has to enter Server IP and Queue Name to configure which Server and Queue will be user's remote LPD server.



Note: Here the Server IP had defined to be the WBT IP. User has to enter user's WBT IP in the "Server" column.

5.Please select a printer driver for user's printer. Then click "**Next**". For example here is using the EPSON Stylus Photo 1270 printer.

6.After complete the setting, the detail of the Queue which user created will be list. Click "**Finish**" to activate the setting.

New produced upd: Add a New Print Game	
Finish, and Create the New Print Queue	
Adont to Crash the Mitholing queue Trans Trans Course Trans Adont to Open Adont to Open Epons Sprus Price 1272 gaug-priot Queue. ✔ Presiti	x core
\$\$ \$ 5 6 6 6 8 8 8 6 6 6	1

7. The new Printer Queue will appear on the printer configure icon. User can click "**Test**" button to test it.



6.3.14.3 LPD Printing

Before you use LPD for printing, your Server needs to be installed completely with Setup for LPD in 3 setup for LPD. LPD protocol is built-in to most of the UNIX system. However, detailed implementation of LPD differs among UNIX system. Please refer to your UNIX administration guide for reference. The following illustrated printing command is under BSD system or System V version.

For BSD system: lpr -P <printer_name><filename> For System V version: lp -d <printer_name><filename>

This command is to print selected file to the selected printer.

e.g. lpr -MyPrinter /etc/hosts (BSD version) or lp –d MyPrinter /etc/hosts (System V version) This example is to print the /etc/hosts file to the Terminal printer.

6.3.15 Global ICA Client Settings

This section describes how to change settings that apply for all connection entries on this WBT. It also describes how to change the default settings that are used when creating new ICA connection entries. You may want to do this if you always prefer to use a particular setting; for example, a sound quality that is different from the initial setting or a larger default window size.

The **Global ICA Client Settings** dialog box contains the following tabs:

- a. The **Default Hotkeys** tab, where you can define custom key combinations for system hotkeys. See "Configuring Hotkeys" for more information.
- b. The **Preferences** tab, where you can control the default window and settings used for new ICA connection entries. See "Configuring Global Preferences" for more information.
- c. The **Server Location** tab, where you can configure network protocol and server location options. See "Configuring Network Protocol and Server Location" later in this section.
- d. The **Firewall Settings** tab, where you can configure the client to use a SOCKS proxy, alternate address re-mapping and SSL Relay address. See "Configuring Firewall Settings" for more information about using the ICA Client with a Firewall.
- e. The **PNLite Settings** tab, where you can configure the client to switch from Remote Access Manager mode to PNLite mode. In PNLite mode, a list of available published applications on the network is published to the ICA client. This means the user need not configure each connection entry manually. For more information about PNLite, see PNLite Mode.

Close Session Ctrl 2 ALT-ESC Ctrl 7
Connection Status Ctrl 2 Ctrl 5 Ctrl 5 Ctrl 2 ALT-ESC Ctrl 7 Ctrl 7 Ctrl 2 Ctrl 2 Ctrl 7 Ctrl
Close Session Ctrl 2 ALT-ESC Ctrl 7 🔽
ESC Ctrl 3 🗹 ALT-TAB Ctrl 8 🔽
CTRL-ALT-DEL Ctrl 4 🔽 ALT-BACKTAB Ctrl 9 👿

6.3.15.1 Configuring Hotkeys

This WBT provides users with hotkeys that can be used during ICA sessions to control various functions. Some hotkeys control the behavior of the ICA Windows-based Terminal Client itself while others emulate standard Windows hotkeys. When you want to use a Microsoft Windows key combination during a session, use the mapped hotkey instead. The following table lists the default ICA Windows-based Terminal Client hotkeys. **Default ICA WBT Client Hotkeys**

Name	Default Value	Description
Connection Status	CTRL+6	Displays ICA Client connection status.

Name	Default Value	Description
Close Session	CTRL+2	Disconnects the ICA Windows-based Terminal Client from the Citrix server and closes the client window on the local desktop. Using this hotkey leaves the ICA session running in a disconnected state on the Citrix server. If you do not want to leave your session running in a disconnected state, log off instead.
Esc	CTRL+3	Alternately hides and displays the ICA session window .
CTRL-ALT-DEL	CTRL+4	Displays the Windows NT Security dialog box on the Citrix server.
CTRL-ESC	CTRL+5	On MetaFrame servers, the Windows Start menu is displayed. On <i>WINFRAME</i> servers, this hotkey displays the Task List .
ALT-ESC	CTRL+7	This hotkey cycles the focus through the minimized icons and open windows of applications run in your ICA session.
ALT-TAB	CTRL+8	This hotkey cycles through all applications in the ICA session. A pop-up box appears and displays the programs as you cycle through them. The selected application receives keyboard and mouse focus.
ALT-BACKTAB	CTRL+9	Like the ALT+TAB hotkey, this key sequence cycles through applications that have been opened in the ICA session, but in the opposite direction. The chosen application receives keyboard and mouse focus.

To Change the Default Hotkeys

- a. Click on the icon of **Global ICA Client Settings** and the dialog box will appear as below.
- b. On the Hotkeys page, use the lists of keys to customize the default hotkey key sequences.
- c. Click **OK** to save your changes.



- d. Make the desired changes.
- e. Click **OK** to save your changes.

6.3.15.2 Configuring Global Preferences

The following settings are configured in the global **Preferences** tab:

- ✓ Default Window Colors: In the Window Colors box, select 16,256, Thousands or Millions colors by clicking the appropriate radio button. When using a low-bandwidth connection, 16-color mode may provide better performance. This WBT can support up to Millions colors that is superior to other WBTs in the market.
- Serial Number. This is the serial number of your ICA Client software. This number is only necessary when you are using the ICA Windows-based Terminal Client with a product such as *WINFRAME* Host/Terminal, which requires each ICA Client to have a Citrix PC Client Pack serial number. If a serial number is required, you must enter it exactly as it appears on the Serial Number card. The serial number is not used when connecting to MetaFrame servers.
- Client Name. This box allows you to set the name of your client device. Citrix servers use the client name to uniquely identify resources (such as mapped printers) associated with a given client device. The client name should be unique for each computer running a Citrix ICA Client. If you do not use unique client names, device mapping and application publishing may not operate correctly.

To Change the Default Global Preferences for All ICA Connection Entry

Terminal Properties OK X General Display Control Panel General Display Control Panel Global ICA Client Settings OK X Hotkeys Preferences Server Location Firewall Settings OK X Serial Number: Enable PNAgent PMAgent Settings Default Window Colors: 16 O Thousands 256 O Millions Open

a. Click the Preferences tab.

b.Make the desired changes.

c. Click **OK** to save your changes.

6.3.15.3 Sever Location

This section explains how to:

- a. Set the protocol the ICA clients uses
- b. Control the way in which the ICA client locates Citrix servers
- c. Configure a list of Citrix servers for Business Recovery

The network protocol settings allow you to control the way the ICA client searches for Citrix server and how it communicates with them. Server location (also called server browsing) provides a method for a user at a network-connected ICA Client to view a list of all Citrix servers on the network that have ICA connections configured, and a list of all published applications. The way in which server location works depends on which network protocol has been configured:

- ✓ TCP/IP The client uses the UDP protocol to search for Citrix servers. The client communicates with the Citrix server using ICA protocol over TCP/IP. This is the default protocol.
- TCP/IP + HTTP The client uses the HTTP protocol to locate Citrix servers. The client communicates with the Citrix server using ICA protocol over TCP/IP. Select this option when using the ICA Client over the Internet or via a firewall or proxy server.

✓ SSL + HTTPS – The client uses the HTTPS protocol to search for a list of Citrix servers. The client communicates with the Citrix server using ICA with SSL. SSL+HTTPS provides strong encryption of ICA traffic and Citrix server authentication. Select this option when using the ICA Client over the Internet or via a firewall or proxy server.

Note The TCP/IP+HTTP and SSL+HTTPS protocols can only be used with compatible Citrix servers. Check the Citrix server administrator's guide for further information.

Note When the CTP/IP or TCP/IP+HTTP protocols are selected, the ICA protocol can be encrypted using SecureICA.

Business recovery provides consistent connections to published applications in the event of a master ICA Browser server disruption. You can define up to three groups of Citrix servers to which you want to connect: a primary and two backups. Each group can contain from one to five servers.

When you build a new ICA connection, the ICA client in this WBT will automatically search for any Citrix server on the network. The default setting is TCP browser but you can make desired change at this page. It depends on what kind of protocol of your Citrix server. If you can't find by this protocol, scroll through the list and try other protocols. This will change the default protocol setting of ICA client when searching for Citrix server location.



6.3.15.4 Firewall Settings

This is to configure a default SOCKS proxy server, if you would like to configure a SOCKS proxy server for a specific ICA connection entry, please refer to the description mentioned earlier in section 4.5.3.

- To Configure a Default SOCKS Proxy Server
- a. Tick Connect via SOCKS proxy.
- b. In the Address of proxy to use box, enter the SOCKS proxy server's IP address.
- c. In the **Port** box, enter the proxy server's port number (if different than 1080).
- d. Click **OK** to save your changes.

Terminal Properties				OK	×
General Display Control Panel					
1 in		(C)	20	P	-
Global ICA Client Settings					ОК 🗵
Hotkeys Preferences Server Location Proxy Proxy NoTE: Enable SC or 128-bit encryption to assure a secure connection Proxy address Port 1080	Firewall Settings SSL/TLS Relay Address of relay	Port : 443			
	Use alternate ad firewalls	dress through			
Configure your Globe Ica setting	gs from your device.		[<u>O</u> pen	

Note If you configure a default SOCKS proxy server, you must specify at least one server in the **Server Location** tab for server and published application browsing to work.

Configuring Alternate Address Translation

If the ICA Client is outside a firewall that uses address re-mapping, you must configure the ICA Client to use the alternate address returned by the master ICA Browser. This is necessary even if you are not using a SOCKS proxy server.

Note You must also use the ALTADDR utility to manually set the alternate address for each Citrix server, See the Command Reference appendix of either the *MetaFrame Administrator's Guide* or the *WINFRAME System Guide* for more information.

Note If you set alternate address translation for all connection entries, it cannot be disabled for specific connection entries.

To Use Alternate Address Translation for All Connection Entries

a. Press F2 to enter the Terminal Properties page, click Apps tab and then click Global ICA Client Settings icon.

- b. Click the Firewall Settings tab.
- c. Click Use alternate address for firewall connection.
- d. Click OK to save your changes.



6.3.15.5 PNLite Settings

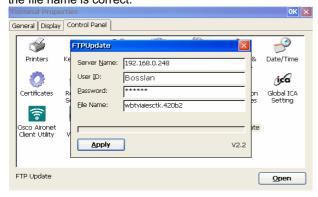
This **PNLite Settings** can configure the client to switch from Remote Access Manager mode to PNLite mode. In PNLite mode, a list of available published applications on the network is published to the ICA client. This means the user need not configure each connection entry manually. For more information about PNLite, see PNLite Mode.

	Terminal Prop	erties					OK	×
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Globa	l ICA Client Se	ttings						ОК 🗙
Hotke	ys Preferences	Server Loca	tion Firewa	II Settings PNL	.ite			
Ser	Enable PNLite ver Idress and port of N Use S5L/TLS	Fuse server		User credentials User name: Password: Domain: Save passw	vord			
	Configure you	' Globe Ica se	ttings from y	your device.		[<u>O</u> pen	

6.3.16 FTP Update Update Configuration

The Update Configuration sheet lets you update new firmware. Key in **Server Name, File Name**, **User ID** and **Password** which your new firmware loaded, select **Save Password**, then above data will be saved in the sheet.

Click **Update Now** icon, the update Status will be show in the Status Window. This WBT has outstanding function that allows FTP updating the latest BIOS/bootloader. The procedure is the same with updating firmware showing as above. Make sure the file name is correct.



6.3.17 Certificates

Certificates is the basic component of Microsoft PKI. and the main purpose is to assure secret. Users can be granted authorization to browse the web or to enter a sever by getting certificates.

Trust the Certificates

Terminal Properties	OK ×
General Display Control Panel	
Certificates Image: Certification Authority Prin Certificates Stores Image: Certification Authority Tusted Authorities Class 3 Public Primary Certification Authority Image: Certification Authority Class 3 Public Primary Certification Authority Image: Certification Authority Class 3 Public Primary Certification Authority Image: Certification Authority Class 3 Public Primary Certification Authority Image: Certification Authority Class 3 Public Primary Certification Authority Image: Certification Authority Class 3 Public Primary Certification Authority Image: Certification Authority Class 3 Public Primary Certification Authority Image: Certification Authority Class 3 Public Primary Certification Authority Image: Certification Authority Class 3 Public Primary Certification Authority Image: Certification Authority Class 3 Public Primary Certification Authority Image: Certification Authority Class 3 Public Primary Certification Authority Image: Certification Authority Image: Certification Authority	me 7 ICA
	1
View and modify system digital certificates	n

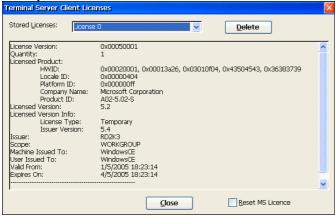
Certificates function offers user to import, view and remove certificates which have be issued , control , renew and revoke by CA.

6.3.18 Terminal Service Client License

Terminal Properties 0K General Display Control Panel ٦ 3 ١ C) Volume & Printers Keyboard Owner System Mouse Sounds Ś 9 P 4 2 Regional Settings Network Status Storage Manager Date/Time Certificates Security Touch Panel Settings Ping (@) FTP (ica Desktop Style Application Properties Smart Card Manager Global ICA Setting LPD FTP Update Ping View stored Terminal Services Client Activation Licenses Open

In this Apps tab you can check and set TSCAL (Microsoft Terminal Service Client Access License).

When you receive a license from a server, the license info will be appeared in this dialog.



In this **Apps** tab you can tick "Reset MS License" whenever you have the problem gaining valid TSCAL(Microsoft Terminal Service Client Access License. The system will request a reboot to take effect the setting change. After reboot, all connections you have set up before will be lost; you will have to rebuild the connections.

	ense 0 Delete
icense Version:	0x00050001
Quantity:	1
icensed Product:	
HWID:	0x00020001, 0x00013a26, 0x03010f04, 0x43504543, 0x36383739
Locale ID:	0x00000404
Terminal License	Reset ×
Are you sure that	you would like to reset the terminal license and all of RDP/ICA connections ? quires a restart of the WBT.)
Are you sure that (This operation re icer	
Are you sure that	quires a restart of the WBT.)
Are you sure that (This operation re ssue cope: lachine Issued To:	quires a restart of the WBT.) Yes No WORKGROUP WindowsCE
Are you sure that (This operation re cer sue cope: lachine Issued To: ser Issued To:	Quires a restart of the WBT.) Yes Work/GROUP WindowsCE WindowsCE
Are you sure that (This operation re cer issue cope: tachine Issued To: ser Issued To: ald From:	quires a restart of the WBT.) Yes No WORKGROUP WindowsCE WindowsCE 1/5/2005 18:23:14
Are you sure that (This operation re	Quires a restart of the WBT.) Yes Work/GROUP WindowsCE WindowsCE

6.3.19 Touch Panel Settings The user can use the touch panel that has been supported in the **Apps**.

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Date/Time	Certificates	Regional Settings	Network Status	Storage Manager	Security	Touch Panel Settings
	3	Ping 4 🏧	BE	ica		F'J'P 4 00
Desktop Style	Application Properties	Ping	Smart Card Manager	Global ICA Setting	LPD	FTP Update
Touch Pane	l Settings					Open

Press OK to Enable touch panel, and press Calibrate to alignment.

Terminal P	roperties					ок 🔀
General Di	splay Control P	anel				
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Printers	Terminal Server Clie	Keyboard	Owner	System	Mouse	Volume & Sounds
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Date/Time	e Certific Mo	del <mark>Fujitsu</mark>	Touch 🗸 🗸	Calibra	ate ity	Touch Panel Settings
	🍑 Poi	t 🧿 CON	11 O COM2		D	FTP _ +==
Desktop Style	Applica tion Properties	Ping	Manager	GIODALICA Setting	LPU	FTP Update
Touch Par	el Settings					<u>O</u> pen

6.3.20 Desktop Style

Desktop Style is an App, which can switch Desktop Mode and WBT Mode to each other.

Terminal Pre	perties					OK 🔀
General Disp	lay Control Pa	anel				
Printers Printers Date/Time	Terminal Server Clie Certificates	Keyboard Regional Settings	Owner Owner Network Status	System	Mouse Security	Volume & Sounds
Desktop Style	Application Properties	Ping 4(00) Ping	Smart Card Manager	Global ICA Setting	LPD	FTP Update
Desktop or '	Thin Client styl	e				<u>O</u> pen

Enable the **Desktop Mode** and press **OK** to restart the thin client, and then the thin client will be appears with **Desktop Mode**, Please refer to chapter 8 **Desktop Mode** for all details.



7 Using ICA Local Printer

You can access printers attached to your client computer from an ICA session. When a Citrix server is configured to allow client printer mapping, applications running remotely on the Citrix server can print to local printers.

Note If your Windows-based terminal includes a list of printer drivers you can select the printer driver from the Printer tab of the Terminal Properties dialog box. When you print from an application, the associated driver is used on the Citrix server. You will need to install the driver on the Citrix server.

7.1 Mapping Client Printers on MetaFrame for Windows

Before users print out from MetaFrame for Windows, printing must be enabled by the administrator. This section describes how to enable printing on the server.

7.1.1 To view mapped client printers when connected to a MetaFrame server

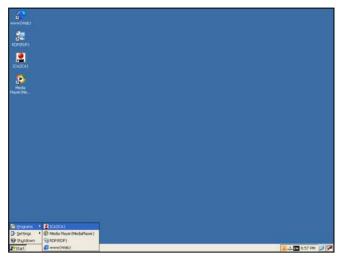
While connected to a MetaFrame server, double-click My Computer on the remote desktop and then double-click Printers. The Printers dialog box appears. The Printers dialog box displays the mapped local printers along with any other printers available on the MetaFrame server. The name of the printer is *clientname#port*, where *clientname* is the name you have assigned to your ICA Client and *port* is the printer port on your Windows CE device, for example COM1 or LPT1.

7.1.2 To manually map a client printer on a MetaFrame server

- a. Log on to the Citrix server.
- b. On a MetaFrame server, click Start, Programs, MetaFrame Tools, and then ICA Client Printer Configuration.
- c. On the Printer menu, click New to display the Add ICA Client Printer wizard. Follow the steps in the wizard to map the client printer.

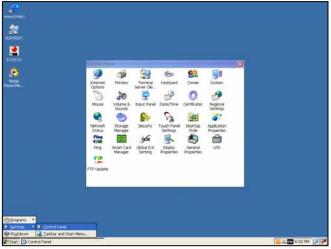
8. Desktop Mode

When you switch to the Desktop mode, you will see the figure as below. All connections that you have created in WBT mode will also appear in Desktop mode.



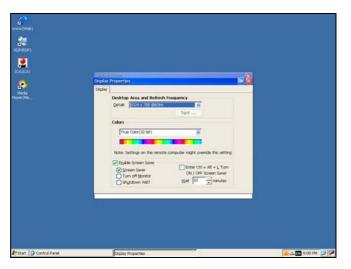
8.1 Control Panel

By clicking Start→Settings, and you will see the "Control Panel". These functions are the same as WBT mode.



8.1.1 Display Properties

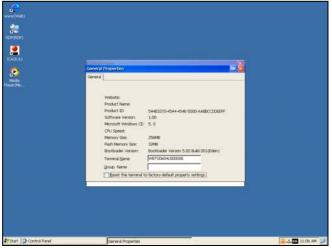
In the Control Panel, you can find the option "Display Properties". You can click it to set your resolution and screen saver.



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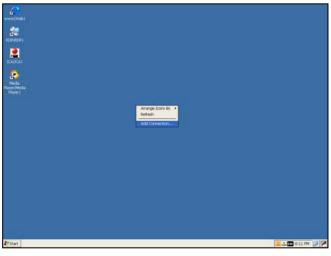
8.1.2 General Properties

In the Control Panel, you can find the option "General Properties". You can click it to view the system and device info and You can reset the default value in this dialog box.



8.2 Add a Connection

If you want to add a connection on Desktop mode, you can right click the mouse and select the option "Add Connection..."



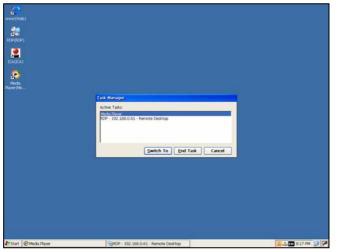
When you click the option "Add Connection..." you will see the figure as below. And you can add the connections that you want.

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	inw Connection	
	Select the type of connection to create:	
	Acrosoft Remote Desktop Clenit	
	OK Cancel	
Start New Connection		🚨 🕹 🖬 8:13 PM 🍃 🗭

8.3 Advanced Function on Desktop Mode

8.3.1 Task Manager

Task Manager is a utility, which provides a quick overview of what applications is currently executing. You can press the "Ctrl + Alt + Del" to use this function.

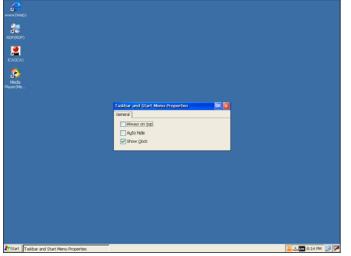


Or you can right click the mouse on Task Bar to select the Task manager.

	Tas <u>k</u> Manager
Start	Properties
Start	

8.3.2 Task Bar

You can right click the mouse on Task Bar and select the properties to set.



8.3.3 Hot Key Functions Ctrl+Alt+End:

Use this function to go back to the Desktop. Alt+Tab:

Use this function to use Task Manager. Tas<u>k</u> Manager... Properties 😽 Start