# **User Manual of N280**

Thank you very much for using our N280!

N280 is independent terminal, outward appearance is finer, and the performance is more superior.





Two cases are optional!

### N280 port schematic



- 1. On /off
- 2. Power supply port
- 3. LAN port
- 4. VGA port
- 5. Microphone
- 6. Speak in
- 7. 3 USB port

### N280 Accessories



PS / 2 switch interface

Wireless LAN

# I. Advantages of N280

1. 64M RMA and 2GB flash, fast speed , three USB ports, convenient use.

2. No need to install software on host PC, enter desktop within 10 second!

3. Support long distance connecting to host PC even in oversea's

4. Support independ operation on thin client sepratedly, when host PC has problem, you can still use thin client to work. It has installed applications on thin client, you can brower website, use MSN, SKYPE....ect. Also support to connect to host PC automatically.

5. Multi-language operation system, can customize to chinese, english, germany, arabic ...ect.

6. Separated from Ncomputing patent, all softwares are made by our company.

7. Greatly save cost, no need maintenance, easy installation, smart Design and save space, reducing noise.

8 Suitable for high school, training school, library, cybercafe, office, factory, family use.

9. No maxium limitation on connecting to host pc, as long as host pc configuration can afford!

10. Support system upgrading, monitor video, USB wifi, USB touch screen.

# **II.** Configuration

Data sheet:

1. The specs are: Dimension 115mm\*26mm\*115mm(L\*H\*W)

- 2. Weight 0.5kg
- 3. Power Input: 100-240V, 50/60Hz; Output: 5V/2A
- 4. Firmware feature Windows CE intergrated RDP protocals
- 5. Onboard CPU ARM926EJ 533MHz
- 6. Memory Onboard 64MB RAM
- 7. Storage Onboard 2GB Flash
- 8. Display support Max 1280\*1024, 16bit/64K colors; Widescreen 1440\*900 support
- 9. Management Remote management, configuration;
- 10. Wake terminal remotely(Wake-on-LAN)
- 11. Onboard LAN 10/100 MB/s
- 12. Operating range 3k meters
- 13. Ports: 1 RJ-45 LAN port; 3 USB 2.0 ports; 1 DC in port; 2 Audio jacks: Speaker-out and mic-in;

14. Server OS support Windows Server 2000/2003, Windows NT 4.0-Terminal Server edition, Citrix Winframe Server/windows XP// Windows 7

Functions on graphical interface

After you turn on the power, thin client run scrollbar and enter into graphical interface. (We can set up the scrollbar interface to your company logo)

### **III. WINCE desktop function introduction**

- Connect N280 with display, power, mouse and keyboard
- Turn on thin client
- Enter into computer desktop within 10s, there are two options.
- Option 1: Enter into thin client desktop directly
   Option 2: Enter into function interface



Option 1

option 2

Here we choose option 1 for intruction, option 2 is almost same as option 1.

### Applications:

- 1. My device
  - Enter to local disks, save information in C disk and will not delet when restart thin client
- 2. Recycle Bin
- 3. Cloudy terminal
  - Click into "graphical interface"
- 4. IE browser
- 5. Media player
- 6. Microsoft wordpad
  - Support some simple office softwares
- 7. My documents
  - Save or browse your files
- 8. Remote desktop
  - Click and run RDP remote desktop connection.
- 9. Set up
  - Click it and enter system set up
- 10. Touhkit
  - Set up screen

# IV. Connect to host PC

- 1. Click remote desktop connection
  - 1) Input host pc IP address, click "connection" => Enter server
  - 2) Click cancel, will back to original graphical interface.

Remote Desi	ctop Connection			×
<u>C</u> omputer:	192.168.0.10		~	
		Co <u>n</u> nect	Cancel	Options >>

- 3) Click "Option" => setting up below functions
  - a. "General" option
    - => Set up IP address, login user name & password and domain

	Type the nam from the drop	ve of the computer, o I-down list.	r chaose a computer
	⊆omputer:	192,168.0.10	×
	User name:	a	
	Password:		
	Comaine	·	
		10	
onnec	tion settings	attice or open raws	d compactions
	Same Country Is	Save As	Oren
		Sage As	Opgn

- b. "Display" option
  - => Adjust the size of remote desktop.
  - => Adjust display bit to 256 color and enhanced color to 16 bit.
    - (Note: Remote desktop may replace this set up)
  - => Add or delet links bar is optional when is on full screen connection

	Display Loc	al Resources Programs Experience
Remot	e Desktop !	Size
9	Choose th way to th Less	he size of your remote desktop. Drag the sider all the he right to go fullscreen. More
		Full Screen
	ite: Settings (	an the remote computer might overlide this setting.
N		

c. "Local resources" option



#### Caution!

Remember to enable disk drivers, or you can not use flash when connect to thin client.

If you use printer, pls also enable it.

- (1). Remote PC sound
  - On local PC
  - Hide sound
  - On remote PC
- (2). Keyboard
  - On local PC
  - On remote PC
  - Only full screen mode
- (3). Local device (Auto connect to below devices when login remote pc)
  - Disk driver
  - Printer
  - Serial port
  - Smart card

How to set up printer?

Click printer => choose correct port of printer "COM2"/ "COM9" / internet =>

model of printer => name printer => continue to set up another printer => choose "Yes" to add another printer or choose "No" to finish setting.

- (4). "Program" Option
  - Whether to auto run programs when connect to host pc.
  - Set up the files name and route

itart a program Start the following program on connection Grogram path and file name Start in the following folder:	eneral Display Local Resources	Programs Experience
grant the following program on connection     grogram path and the name      spart in the following folder:	Start a program	
grogram path and file runne Sgart in the following folder:	Start the following program	on connection
Sgint in the following folder:	Brogram path and file nam	e:
spirt in the following folder:	1	
	Start in the following loke	80
	-	

(5). "Experience" option

General	hisplay   Local Resources   Programs   Exper	euce
Perform	MINCH	
2	Choose your connection speed to optim	ize gerformance.
	Custom	v
	Allow the following:	
	Cesktop background	
	Show contents of window while dra	aging
	Menu and window animation	
	📝 Inemes	
	<ul> <li>Bitmgp caching</li> </ul>	
Recon	nect if connection is dropped	
	Connet	Cancel Contions a

- Choose the spead to optimize performance
- Moden 28.8kbs / moden 56kbs / broadband 128k~1.5m / Lan 10mbps / User defined Optional
- Change desktop background / show contents of window while dragging / Menu and window animation / themes / btmap cache

- Reconnect if connection is dropped

## V. System set up

Click system set up => input password (If no password, click ok, if click cancel, it will be back to graphical interface) => enter into below setting:

1. Control pannel

Control Panel	IP Setup
Change Password	Resolution
Auto Connect Server	StartUp Setup
Mac Setup	Volume Setup
Machine Info	Update
Save set	ing
Restar	

#### Enter into:

Ele View	r												× ?
G.	0	9	1	8	9	<b>9</b>	-	Õ		92	2	3	
Accessibility	Certificates	Date/Time	Dialing	Dispilay	Input Panel	Internet. Options	Keyboard	Mouse	Network and Dial-up Co	Owner	Password	PC Connection	
1	2	2	3		30	2	30		1.0404-04 <b>1</b> .401 (0.400				
Power	Regional Settings	Remove Programs	Storage Manager	Stylus	System	Terminal Server Clie	Volume & Sounds						

#### 1). Internet option

- Common (Set up IE home page and search page, adjust cache, clear hostory record and cache)
- Connection option (Set up whether use LAN or use proxy server visit internet
- Security (Set up confidential or forbidden website, apply the internet acticux control)
- Privacy (Set up cookie)
- Advance (Set up accessibility, browse, multi-media, security...function )
- Pop-up function (Set up web pop-up windows)
- 2). PC connection
  - Change connection mode & connect to desk computer when device is on line.
- 3). Internet & dailed connection
  - Set up IP address and DNS
- 4). System
  - Adjust RAM utilization, optimize system run speed
- 5). Display
  - Wince desktop background and topics
- 6). Sound
  - Adjust the sound

- Click control pannel =>IP set up



#### 3. Change password

- Click "change password" enter into below:

	Change Provided	3	
	Crigin		
	New Password		re.
	Confirm New Password	1	1
1	CANCEL		
1	Save setting	- 1	N

Caution! If you forget your password, you can use super password "thinclientadmin" 4. Set up resolution

- Change resolution of thin client or connect to hosp PC's resolution



- 5. Auto connect to host pc when start thin client
  - Set up "Server name", "user name", "password", "Domain", whether to relocation disk, and auto connection during start.

Server:	192.169.0.10
User:	•
Password:	
Domain:	
Disk chivers	Auto Run
Ok(Q)	Cancel(C)

Caution!

Remember to enable disk drivers, or you can not use flash when connect to thin client.

#### 6. Start up setup

- 1). Local desktop
- Enter into local WINCE system when start
- 2). Terminal graphical interface
- Enter into orginal graphical interface.



- 7. MAC address set up
  - Support manual set up or get MAC address by random

	Mar address Setup	
	Mac	
C.	00:01:33:44:56:78	
	Random Generate	
P	Gancel	
1		

8. Save setting

Control Panel	IP Setup
Change Password	Resolution
luto Connect Server	StartUp Setup
Mac Setup	Volume Setup
Machine Info	Update

Caution!

After finish each setting, you should click "save setting" then restart thin client to save all settings you made.

## VI. Remote control (IPC management system) and wifi

Remote control (IPC management system)

How to use it?

1. Double click "", select "Authentication" option => select "No Authentication" options => OK,

pls return to system up and click save setting, then restart.

Authentication	Connections In	puts	Sha	ring	De	eskto	p	Cap	4
No Authent	ication								
O IPC Passwo	rd Authenticati	Co	nfigu	ure					
NT Logon A	uthentication	Co	nfigu	ure					
NT Logon A Encryption A1 Prompt loc	uthentication ways Off of al user to accep compt when there	Co Gene is a	nfigu rate necti user	Keys Keys ions logi					

- 2. Install IPC.ext on server
- 3. "Run IPC Viewer" on server, like below picture:

PE-	Server:	192.168.1.12	*
£	Encryption:	Always Off	~

- 4. Inter thin client IP address and click OK.
- 5. Begin to control the thin client.



### Wifi

Thin client support USB wifi, if you insert wifi on USB port, thin client will inspect it. Pls select a network and click "connect", input password then it can successfully connect.

ANAMITER	Wireless Network Properties
If in modim     IPeS information       Delect a network and press connect or richt-blok for more ip intry. This due recommission by dominant of the Walt New       If information blocks       If this Hexpans       If this Hexpans	Network name (SSID): ChinaNet-zxca This is a computer-to-computer (ad hoc) network; wireless access points are not used Wireless network key (WEP) This network requires a key for: Encryption: TKIP Authentication: WPA-PSK Network key: Key index: 1 The key is provided automatically
Status Not Connected Bigs J Shierighte Not Signi ☑ Not y one war on reavisor disarrelise risks and sawkith 	IEEE 802.1X Authentication Cancel