Pop-up Windows, JavaScript and Java Permissions

In order to use the web configurator you need to allow:

- Web browser pop-up windows from your device.
- JavaScript (enabled by default).
- Java permissions (enabled by default).

Note: The screens used below belong to Internet Explorer version 6, 7 and 8. Screens for other Internet Explorer versions may vary.

Internet Explorer Pop-up Blockers

You may have to disable pop-up blocking to log into your device.

Either disable pop-up blocking (enabled by default in Windows XP SP (Service Pack) 2) or allow pop-up blocking and create an exception for your device's IP address.

Disable Pop-up Blockers

In Internet Explorer, select Tools, Pop-up Blocker and then select Turn Off Pop-up Blocker.
 Figure 104 Pop-up Blocker



You can also check if pop-up blocking is disabled in the **Pop-up Blocker** section in the **Privacy** tab.

- 1 In Internet Explorer, select Tools, Internet Options, Privacy.
- 2 Clear the **Block pop-ups** check box in the **Pop-up Blocker** section of the screen. This disables any web pop-up blockers you may have enabled.

Figure 105 Internet Options: Privacy

Internet	Options					? 🛛
General	Security	Privacy	Content	Connections	Programs	Advanced
Settin	gs Move t zone.	he slider to	o select a	privacy setting	for the Interr	net
- 1	Me	dium				
	- Bla priv - Bla - Bla - Re - Re - Info	ocks third- acy policy ocks third- rmation wil estricts first rmation wil	party cook party cook thout your -party coo thout impli	ies that do not implicit consen kies that use pi cit consent	have a com rsonally iden t ersonally ide	pact tifiable ntifiable
	Sites		mport	Advanced.	. Del	ault
Popu	Prever	it most pop ck pop-up:	o-up windo	ws from appea	iing.	ngs
			ОК	Ca	ncel	Apply

3 Click **Apply** to save this setting.

Enable Pop-up Blockers with Exceptions

Alternatively, if you only want to allow pop-up windows from your device, see the following steps.

- 1 In Internet Explorer, select **Tools**, **Internet Options** and then the **Privacy** tab.
- 2 Select Settings...to open the Pop-up Blocker Settings screen.

Figure 106	Internet	Options:	Privacy
------------	----------	----------	---------

Internet	Options					? 🛛
General	Security	Privacy	Content	Connections	Programs	Advanced
Settin	Move t D zone.	he slider to	o select a j	privacy setting I	or the Interr	net
- [_ Me	dium				
-	- Blo priv. Blo info - Re info	ocks third-j acy policy ocks third-j mation wil istricts first mation wil	party cook party cook hout your -party coo hout implie	ies that do not ies that use per implicit consent kies that use pe cit consent	have a com sonally iden ersonally ide	pact Itifiable ntifiable
	Sites		mport	Advanced.	. Def	ault
Pop-u	Pilocker Preven Bloo	t most pop ck pop-up:	o-up windo s	ws from appear	ing. Setti	ngs
			ОК	Ca	ncel	Apply

- **3** Type the IP address of your device (the web page that you do not want to have blocked) with the prefix "http://". For example, http://192.168.167.1.
- 4 Click Add to move the IP address to the list of Allowed sites.

Figure 107 Pop-up Blocker Settings

dress of Web site to allow: p://192.168.1.1 Add bwed sites: Remove Remove Remove A fications and Filter Level Play a sound when a pop-up is blocked. Show Information Bar when a pop-up is blocked.	Web sites by adding the site to the list be	low.
nowed sites:	Address of Web site to allow: http://192.168.1.1	Add
fications and Filter Level Play a sound when a pop-up is blocked. Show Information Bar when a pop-up is blocked.	Allowed sites:	
fications and Filter Level Play a sound when a pop-up is blocked. Show Information Bar when a pop-up is blocked.		Remove
fications and Filter Level Play a sound when a pop-up is blocked. Show Information Bar when a pop-up is blocked.		Remove A
fications and Filter Level Play a sound when a pop-up is blocked. Show Information Bar when a pop-up is blocked.		
fications and Filter Level Play a sound when a pop-up is blocked. Show Information Bar when a pop-up is blocked.		
fications and Filter Level Play a sound when a pop-up is blocked. Show Information Bar when a pop-up is blocked.		
Play a sound when a pop-up is blocked. Show Information Bar when a pop-up is blocked.	Notifications and Filter Level	
Show Information Bar when a pop-up is blocked.	Play a sound when a pop-up is blocked.	
e Louak	Show Information Bar when a pop-up is blocke	d.
SI LEVEI.	Filter Level:	
a Level. adium: Block most automatic pop-ups	Filter Level:	

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- 5 Click **Close** to return to the **Privacy** screen.
- 6 Click **Apply** to save this setting.

JavaScript

If pages of the web configurator do not display properly in Internet Explorer, check that JavaScript are allowed.

1 In Internet Explorer, click **Tools**, **Internet Options** and then the **Security** tab.

Figure 108 Internet Options: Security

Internet	Options ?	×
General	Security Privacy Content Connections Programs Advance	d
Select	a Web content zone to specify its security settings.	
	8 🚳 🛆 🖨	
Int	ternet Local intranet Trusted sites Restricted sites	
3	Internet This zone contains all Web sites you haven't placed in other zones	
Secu	urity level for this zone	
- 1	 Move the silder to set the security level for this zone. Medium 	
	 Safe browsing and still functional Prompts before downloading potentially unsafe content Unsigned ActiveX controls will not be downloaded Appropriate for most Internet sites 	
_]	- Custom Level Default Level	
	OK Cancel Apply	

- 2 Click the **Custom Level...** button.
- 3 Scroll down to Scripting.
- 4 Under Active scripting make sure that Enable is selected (the default).
- 5 Under Scripting of Java applets make sure that Enable is selected (the default).
- 6 Click **OK** to close the window.

Figure 109 Security Settings - Java Scripting

Security Settings	? ×
Settings:	
Scripting	
O Disable	
Allow paste operations via script	
O Prompt	
O Disable	
Enable	
Prompt User Authoritisation	
Reset custom settings	
Reset to: Medium	R <u>e</u> set
ОК	Cancel

Java Permissions

- 1 From Internet Explorer, click **Tools**, **Internet Options** and then the **Security** tab.
- 2 Click the **Custom Level...** button.
- 3 Scroll down to Microsoft VM.
- 4 Under Java permissions make sure that a safety level is selected.
- 5 Click **OK** to close the window.

Figure 110	Security	Settings	- Java

Security Settings	<u>? ×</u>
Settings:	
O Disable	
 Enable 	
📑 Font download	
O Disable	
 Enable 	
O Prompt	_
Microsoft VM	
Java permissions	
O Custom	
Disable Java	
• High safety	
O Low safety	,
Q Medium safety	-
Reset custom settings	
Reset to: Medium	▼ Reset
Land Lungan	
	OK Cancel
	Cancor

JAVA (Sun)

- 1 From Internet Explorer, click **Tools**, **Internet Options** and then the **Advanced** tab.
- 2 Make sure that Use Java 2 for < applet> under Java (Sun) is selected.
- 3 Click **OK** to close the window.

Figure 111 Java (Sun)
Internet Options
General Security Privacy Content Connections Programs Advanced
<u>S</u> ettings:
Use inline AutoComplete Use Passive FTP (for firewall and DSL modern compatibility) Use smooth scrolling HTTP 1.1 settings
Use HTTP 1.1 Use HTTP 1.1 through proxy connections Java (Sun) Use Java 2 v1.4.1 07 for <applet> (requires restart)</applet>
Microsoft VM Java console enabled (requires restart) Java logging enabled Java logging enabled III compiler for virtual machine enabled (requires restart)
Multimedia Always show Internet Explorer (5.0 or later) Radio toolbar Don't display online media content in the media bar Enable Automatic Image Resizing
<u>R</u> estore Defaults
OK Cancel Apply

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Mozilla Firefox

Mozilla Firefox 2.0 screens are used here. Screens for other versions may vary slightly. The steps below apply to Mozilla Firefox 3.0 as well.

You can enable Java, Javascript and pop-ups in one screen. Click **Tools**, then click **Options** in the screen that appears.

Figure 112 Mozilla Firefox: TOOLS > Options



Click **Content** to show the screen below. Select the check boxes as shown in the following screen.

Figure 113 Mozilla Firefox Content Security

Options		0				
4 Main	ر Tabs	Content	5 Feeds	Since Privacy	Security	ریک Advanced
I♥ <u>B</u> lock I♥ Load I♥ Enab I♥ E <u>n</u> ab	images images Ie Java:	windows automatically Script				Exceptions Exceptions Adyanced
Fonts & C	olors – ont:	Times New Ron	nan	. 5	ize: 16	Advanced
Configure	s how Fi	refox handles (certain ty	pes of files		Manage
				ок	Car	ncel Help

Opera

Opera 10 screens are used here. Screens for other versions may vary slightly.

Allowing Pop-Ups

From Opera, click **Tools**, then **Preferences**. In the **General** tab, go to **Choose how you prefer to handle pop-ups** and select **Open all pop-ups**.

Figure 114 Opera: Allowing Pop-Ups

Opera can start	with your favorite Web pages or continue from la	ist time
Startup	Continue from last time	
Home page	http://portal.opera.com	Use Current
Choose how you	ı prefer to handle pop-ups	
Choose how you Pop-ups	u prefer to handle pop-ups Open all pop-ups	
Choose how you Pop-ups	Open all pop-ups	>
Choose how you Pop-ups	open all pop-ups	>
Choose how you Pop-ups	open all pop-ups Open all pop-ups Open pop-ups Open pop-ups in background Block unwanted pop-ups Block all pop-ups	>
Choose how you Pop-ups Select your pref	u prefer to handle pop-ups Open all pop-ups Open pop-ups Open pop-ups in background Block unwanted pop-ups Block all pop-ups erred language for Opera and Web pages	>
Choose how you Pop-ups Select your pref Language	u prefer to handle pop-ups Open all pop-ups Open pop-ups in background Block unwanted pop-ups Block all pop-ups erred language for Opera and Web pages English (US) [en-US]	Details

Enabling Java

From Opera, click **Tools**, then **Preferences**. In the **Advanced** tab, select **Content** from the leftside menu. Select the check boxes as shown in the following screen.

Figure 115 C	Opera:	Enabling	Java
--------------	--------	----------	------

Pr	eferences		x
	General Forms Sear	ch Web Pages Advanced	_,
(Tabs Browsing Notifications Content Fonts Downloads Programs	Enable animated images Enable sound in Web pages Enable JavaScript JavaScript Options Enable plug-ins	
	History Cookies Security	Style Options	
	Network	Content settings can be adapted to each site	
	Toolbars	Manage Site Preferences	
	Shortcuts Voice	Blocked Content	
		OK Cancel Help	

To customize JavaScript behavior in the Opera browser, click **JavaScript Options**.

Figure 116 Opera: JavaScript Options

JavaScript Options	×
Allow resizing of windows	
Allow moving of windows	
Allow raising of windows	
Allow lowering of windows	
Allow changing of status field	
Allow scripts to detect context menu events	
Allow script to hide address bar	
Open console on error	
dser JavaScript folder	
Ch	noose
ОК	Cancel

Select the items you want Opera's JavaScript to apply.

Setting Up Your Computer's IP Address

Note: Your specific NBG6815 may not support all of the operating systems described in this appendix. See the product specifications for more information about which operating systems are supported.

This appendix shows you how to configure the IP settings on your computer in order for it to be able to communicate with the other devices on your network. Windows Vista/XP/2000, Mac OS 9/ OS X, and all versions of UNIX/LINUX include the software components you need to use TCP/IP on your computer.

If you manually assign IP information instead of using a dynamic IP, make sure that your network's computers have IP addresses that place them in the same subnet.

In this appendix, you can set up an IP address for:

- Windows XP/NT/2000 on page 168
- Windows Vista on page 171
- Windows 7 on page 174
- Mac OS X: 10.3 and 10.4 on page 178
- Mac OS X: 10.5 and 10.6 on page 181
- Linux: Ubuntu 8 (GNOME) on page 184
- Linux: openSUSE 10.3 (KDE) on page 188

Windows XP/NT/2000

The following example uses the default Windows XP display theme but can also apply to Windows 2000 and Windows NT.

1 Click Start > Control Panel.



2 In the Control Panel, click the Network Connections icon.



3 Right-click Local Area Connection and then select Properties.



4 On the General tab, select Internet Protocol (TCP/IP) and then click Properties.

General	Authentication	Advance	ed		
Connec	t using:				
113	Accton EN1207	D-TX PCI Fa	ast Etherne	et Adapter	
				Configu	re
I his co	nnection uses ti	he following	items:		
	Client for Micr	osoft Netwo	orks		
I 🗹 🛔	File and Printe	er Sharing fo	or Microsoft	Networks	
	LOGC Dooket C	Colordulor			
-					
	Internet Proto	col (TCP/IP			
∎ v	Internet Proto	col (TCP/IP			
	Internet Proto	col (TCP/IP	stall	Propertie	es
Desc	Internet Protonstall	col (TCP/IP Unins	stall	Propertie	es
Desc Tran wide acro	Internet Proto nstall ription smission Contro area network p ss diverse interc	Col (TCP/IP Unins I Protocol/Ir rotocol that connected n	stall nternet Proi provides c networks.	Propertie tocol. The defa	es ult
Desc Tran wide acro	Internet Proto nstall ription smission Contro area network p ss diverse interc w icon in notific	Col (TCP/IP Unins I Protocol/Ir rotocol that connected n ation area w	stall nternet Proi provides c networks.	Propertie tocol. The defa communication	es ult

5 The Internet Protocol TCP/ IP Properties window opens.

Internet	Protocol (TCP/IP) R	Properties 🛛 🛛 🛛
General	Alternate Configuration	
You car this cap the app	n get IP settings assigner ability. Otherwise, you ne ropriate IP settings.	d automatically if your network supports aed to ask your network administrator for
⊙ 01	btain an IP address autor	matically
OU	se the following IP addre:	ss:
IP ac	ddress:	
Subr	net mask:	
Defa	ult gateway:	
⊙ OI	btain DNS server addres:	s automatically
OU:	se the following DNS serv	ver addresses:
Prefe	erred DNS server:	
Alter	nate DNS server:	
		Advanced
		OK Cancel

6 Select **Obtain an IP address automatically** if your network administrator or ISP assigns your IP address dynamically.

Select Use the following IP Address and fill in the IP address, Subnet mask, and Default gateway fields if you have a static IP address that was assigned to you by your network administrator or ISP. You may also have to enter a Preferred DNS server and an Alternate DNS server, if that information was provided.

- 7 Click OK to close the Internet Protocol (TCP/IP) Properties window.
- 8 Click OK to close the Local Area Connection Properties window.

Verifying Settings

- 1 Click Start > All Programs > Accessories > Command Prompt.
- 2 In the **Command Prompt** window, type "ipconfig" and then press [ENTER].

You can also go to **Start > Control Panel > Network Connections**, right-click a network connection, click **Status** and then click the **Support** tab to view your IP address and connection information.

Windows Vista

This section shows screens from Windows Vista Professional.

1 Click Start > Control Panel.



2 In the Control Panel, click the Network and Internet icon.



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3 Click the Network and Sharing Center icon.



4 Click Manage network connections.

ile <u>E</u> dit <u>V</u> iew <u>T</u> ools <u>H</u> elp		
Tasks View computers and devices	Network and Sharing Center	
Connect to a network Set up a connection or network	🔍 —×—	0
Manage network connections Diagnose and repair	TWPC99111 (This computer)	Internet

5 Right-click Local Area Connection and then select Properties.

Local	Collapse group	Left Arrow
Netwo Intel	Expand all groups Collapse all groups	
	Disable Status Diagnose	
	Bridge Connections	
	Create Shortcut Delete Rename	
<	Properties	

Note: During this procedure, click **Continue** whenever Windows displays a screen saying that it needs your permission to continue.

6 Select Internet Protocol Version 4 (TCP/IPv4) and then select Properties.

 Intel(R) PR0/1000 MT Desktop Connection Configure intel(R) PR0/1000 MT Desktop Connection Configure internet for Microsoft Networks internet Protocol Version 4 (TCP/IPv4) internet Protocol Version 5 (TCP/IPv4) internet Protocol Version 4 (TCP/IPv4) internet Protocol Version 5 (TCP/IPv4) internet Protocol Version 4 (TCP/IPv4) internet Protocol Version 5 (TCP/IPv4) internet Protocol Version 4 (TCP/IPv4) internet Protocol Protocol Version 4 (TCP/IPv4) internet Protocol	tworking		
Configure This connection uses the following items: Client for Microsoft Networks Client for Microsoft Networks File and Printer Sharing for Microsoft Networks Linternet Protocol Version 4 (TCP/IPv4) Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	Intel(R) PR0/100	0 MT Desktop Conr	nection
Client for Microsoft Networks Network Monitor3 Driver File and Printer Sharing for Microsoft Networks Internet Protocol Version 4 (TCP/IPv6) Internet Protocol Version 4 (TCP/IPv4) Internet Protocol Version 5 (TCP/IPv4) Internet Protocol Version 5 (TCP/IPv4) Internet Protocol Version 4 (TCP/IPv4) Internet Protocol Version 5 (TCP/IPv4) Internet Protocol Version 5 (TCP/IPv4) Internet Protocol Version 6 (TCP/	his connection uses th	e following items:	Configure
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	 File and Printer Internet Protocol 	Sharing for Microso	tt Networks 2v6)
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.	Internet Protoco Link-Layer Top Link-Layer Top	ol Version 4 (TCP/IF ology Discovery Ma ology Discovery Re:	pper I/O Driver sponder
	A Internet Protoco A Ink-Layer Top A Link-Layer Top A Link-Layer Top Install	ol Version 4 (TCP/IF ology Discovery Ma ology Discovery Re: Uninstall	pper I/O Driver sponder Properties

7 The Internet Protocol Version 4 (TCP/IPv4) Properties window opens.

Internet Protocol Version 4 (TCP/ General Alternate Configuration	IPv4) Proj	perti	es	? 🔀
You can get IP settings assigned auto this capability. Otherwise, you need to for the appropriate IP settings.	matically if y o ask your r	/our n networ	etwork 'k admin	supports istrator
Obtain an IP address automatica	llyj			
- OUse the following IP address:				
IP address:	6	÷.		
Sybnet mask:	14	12	12	
Default gateway:		2	15	
Obtain DNS server address autor	matically			
OUSE the following DNS server add	dresses:			- 1
Preferred DNS server:		3		
<u>A</u> lternate DNS server:	i	3	i.	
			Ady	anced
		OK		Cancel

8 Select **Obtain an IP address automatically** if your network administrator or ISP assigns your IP address dynamically.

Select Use the following IP Address and fill in the IP address, Subnet mask, and Default gateway fields if you have a static IP address that was assigned to you by your network administrator or ISP. You may also have to enter a Preferred DNS server and an Alternate DNS server, if that information was provided.Click Advanced.

- 9 Click OK to close the Internet Protocol (TCP/IP) Properties window.
- **10** Click **OK** to close the **Local Area Connection Properties** window.

Verifying Settings

- 1 Click Start > All Programs > Accessories > Command Prompt.
- 2 In the **Command Prompt** window, type "ipconfig" and then press [ENTER].

You can also go to **Start > Control Panel > Network Connections**, right-click a network connection, click **Status** and then click the **Support** tab to view your IP address and connection information.

Windows 7

This section shows screens from Windows 7 Enterprise.

1 Click Start > Control Panel.



2 In the **Control Panel**, click **View network status and tasks** under the **Network and Internet** category.



3 Click Change adapter settings.



4 Double click Local Area Connection and then select Properties.

Connection Connection Virieless Vetwork Connection Virieless Vetwork Vetwor	~~~~			
Organize Disable this network device Diagnose this connection Rename th Local Area Connection Wireless Network Connection Unidentified network ZyXEL_RT3062_AP1 4 Broadcom NetXtreme Gigabit Eth Wireless USB Adapter Unidentified network Connection General Connection IPv4 Connectivity: No network access	Control Pane	 Network and Interr 	net 🕨 Network Conne	ections 🕨
Local Area Connection Unidentified network Broadcom NetXtreme Gigabit Eth Wireless Network Connection ZyXEL_RT3062_AP1 4 802.11n Wireless USB Adapter	Organize 🔻 Disable this n	etwork device Diag	gnose this connection	Rename this
Local Area Connection Status General Connection IPv4 Connectivity: No network access	Local Area Connectio Unidentified network Broadcom NetXtrem	on c e Gigabit Eth	Wireless Network O ZyXEL_RT3062_AP 802.11n Wireless U	Connection L 4 SB Adapter
Connection IPv4 Connectivity: No network access	Local Area Connection Sta	itus	×	
IPv4 Connectivity: No network access	Connection			
	IPv4 Connectivity:	No networ	rk access	
IPv6 Connectivity: No network access	IPv6 Connectivity:	No networ	rk access	
Media State: Enabled	Media State:		Enabled	
Duration: 00:04:36	Duration:	1	00:04:36	
Speed: 100.0 Mbps	Speed:	10	0.0 Mbps	
Details	Details			
Activity	Activity			
Sent — Received	Sent	— 💐 — F	Received	
Packets: 432 0	Packets:	432	0	
Properties Plisable Diagnose	Properties BDisa	ble Diagnose		
Close		(Close	

Note: During this procedure, click **Continue** whenever Windows displays a screen saying that it needs your permission to continue.

5 Select Internet Protocol Version 4 (TCP/IPv4) and then select Properties.

🖳 Local Area Connection Properties					
Networking Sharing					
Connect using:					
Broadcom NetXtreme Gigabit Ethemet					
<u>Configure</u> This connection uses the following items:					
 ✓ Client for Microsoft Networks ✓ QoS Packet Scheduler ✓ GoS Packet Scheduler ✓ File and Printer Sharing for Microsoft Networks ✓ Internet Protocol Version 6 (TCP/IPv6) ✓ Internet Protocol Version 4 (TCP/IPv4) ✓ Internet Protocol Version 4 (TCP/IPv4) ✓ Link-Layer Topology Discovery Mapper I/O Driver ✓ Link-Layer Topology Discovery Responder 					
Install Uninstall Properties					
Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.					
OK Cancel					

6 The Internet Protocol Version 4 (TCP/IPv4) Properties window opens.

Internet Protocol Version 4 (TCP/IPv4)	Properties					
General						
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.						
Obtain an IP address automatical	ly					
Use the following IP address:						
IP address:	192.168.1.7					
S <u>u</u> bnet mask:	255 . 255 . 255 . 0					
Default gateway:	· · ·					
Obtain DNS server address auton	natically					
• Use the following DNS server add	resses:					
Preferred DNS server:						
<u>A</u> lternate DNS server:	· · ·					
Validate settings upon exit	Ad <u>v</u> anced					
	OK Cancel					

7 Select **Obtain an IP address automatically** if your network administrator or ISP assigns your IP address dynamically.

Select Use the following IP Address and fill in the IP address, Subnet mask, and Default gateway fields if you have a static IP address that was assigned to you by your network administrator or ISP. You may also have to enter a Preferred DNS server and an Alternate DNS server, if that information was provided. Click Advanced if you want to configure advanced settings for IP, DNS and WINS.

- 8 Click OK to close the Internet Protocol (TCP/IP) Properties window.
- 9 Click OK to close the Local Area Connection Properties window.

Verifying Settings

- 1 Click Start > All Programs > Accessories > Command Prompt.
- 2 In the **Command Prompt** window, type "ipconfig" and then press [ENTER].
- **3** The IP settings are displayed as follows.

C:\WINNT\system32\cmd.exe	l ×
C:\>ipconfig	
Vindows 2000 IP Configuration	
Sthernet adapter Local Area Connection:	
Connection-specific DNS Suffix . : P-2612HNU-F3v2	
IP Address 192.168.1.7	
Subnet Mask 255.255.255.0	
Default Gateway 192.168.1.1	
N	
	-

Mac OS X: 10.3 and 10.4

The screens in this section are from Mac OS X 10.4 but can also apply to 10.3.

1 Click Apple > System Preferences.



2 In the System Preferences window, click the Network icon.



3 When the **Network** preferences pane opens, select **Built-in Ethernet** from the network connection type list, and then click **Configure**.

	Location	Automatic
	Show	Network Status
0	Built-in Ethernet	Built-in Ethernet is currently active and has the IP address 10.0.1.2. You are connected to the Internet via Built-in Ethernet.
•	AirPort	Internet Sharing is on and is using AirPort to share the connection.
	G	Configure Disconnect

4 For dynamically assigned settings, select **Using DHCP** from the **Configure I Pv4** list in the **TCP**/**IP** tab.

Show All	Netv	VOTK	٩	
L	ocation: Automatic		\$	
	Show: Built-in Ethe	ernet	\$	
TCP	PPPoE AppleT	alk Proxies E	thernet	
Configure IPv4:	Using DHCP	\$)	
IP Address:	0.0.0.0	(Renew DHC	P Lease
Subnet Mask:		DHCP Client ID:		
Router:			(If required)	
DNS Servers:				
Search Domains:				(Optiona
IPv6 Address:				
	Configure IPv6			(

- **5** For statically assigned settings, do the following:
 - From the **Configure I Pv4** list, select **Manually**.
 - In the IP Address field, type your IP address.
 - In the Subnet Mask field, type your subnet mask.
 - In the **Router** field, type the IP address of your device.

L	ocation: Automatic	;	
	Show: Built-in Ethernet	•	
(TCP/	IP PPPoE AppleTalk	Proxies Ethernet	
Configure IPv4:	Manually	:	
IP Address:	0.0.0.0		
Subnet Mask:	0.0.0.0		
Router:	0.0.0.0		
DNS Servers:			
Search Domains:			(Optional
IPv6 Address:			
	Configure IPv6		6

6 Click Apply Now and close the window.

Verifying Settings

Check your TCP/IP properties by clicking **Applications > Utilities > Network Utilities**, and then selecting the appropriate **Network Interface** from the **Info** tab.

O O Netw	ork Utility			
Info Netstat AppleTalk Ping Look	up Traceroute Whois Finger Port Scan			
Please select a network interface for informat	ion			
Network Interface (en0)				
Interface information	Transfer Statistics			
Hardware Address 00:16:cb:8b:50:2e	Sent Packets 20607			
IP Address(es) 118.169.44.203	Send Errors 0			
Link Speed 100 Mb	Recv Packets 22626			
Link Status Active	Recv Errors 0			
Vendor Marvell	Collisions 0			
Model Yukon Gigabit Adapte	r			

Mac OS X: 10.5 and 10.6

The screens in this section are from Mac OS X 10.5 but can also apply to 10.6.

1 Click Apple > System Preferences.



2 In System Preferences, click the Network icon.

00			System F	Preferences			
	Show All					Q	
Personal							
File New	2			100	Ô	Q	
Appearance	Desktop & Screen Saver	Dock	Exposé & Spaces	International	Security	Spotlight	
Hardware							
		\bigcirc	5		0		
CDs & DVDs	Displays	Energy Saver	Keyboard & Mouse	Print & Fax	Sound		
Internet &	Network						
()		Ø	۲				
.Mac	Network	QuickTime	Sharing				
System							
11		×.	(0)	-	2	0	
Accounts	Date & Time	Parental Controls	Software Update	Speech	Startup Disk	Time Machine	Universal Access

3 When the **Network** preferences pane opens, select **Ethernet** from the list of available connection types.

	ļ			4
	Locati	on: Automatic		•
Internal Modem Not Connected PPPoE Not Connected	Cool Cool	Status:	Not Connected The cable for Etherne your computer does i	t is connected, but not have an IP address.
Ethernet Not Connected	<···>	Configure:	Using DHCP	\$
FireWire Not Connected	¥			
AirPort Off				
		DNS Server:	11 	
		Search Domains:		
		802.1X:	WPA: ZyXEL04	Connect
- *-				Advanced

4 From the **Configure** list, select **Using DHCP** for dynamically assigned settings.

- **5** For statically assigned settings, do the following:
 - From the **Configure** list, select **Manually**.
 - In the IP Address field, enter your IP address.
 - In the **Subnet Mask** field, enter your subnet mask.
 - In the **Router** field, enter the IP address of your NBG6815.

	Location:	Automatic		•	
Internal Modem Not Connected PPPoE Not Connected		Status:	Not Connected The cable for Ethernet your computer does n	t is connected, but ot have an IP address.	
Ethernet Not Connected	~~>>	Configure:	Manually	\$)
FireWire Not Connected AirPort Off		IP Address: Subnet Mask: Router: DNS Server: Search Domains: 802.1X:	0.0.0.0	Connect	
				Advanced	

6 Click **Apply** and close the window.

Verifying Settings

Check your TCP/IP properties by clicking **Applications > Utilities > Network Utilities**, and then selecting the appropriate **Network interface** from the **Info** tab.

O O Network Uti	Network Utility			
Info Netstat AppleTalk Ping Lookup T	Fraceroute	Whois	Finger	Port Scan
lease select a network interface for information Network Interface (en1)	Transfer	Statistics		
Hardware Address: 00:30:65:25:6a:b3 IP Address(es): 10.0.2.2	Sent Pac Send Er	kets: 123 rors: 0	10	
Link Speed: 11 Mbit/s Link Status: Active	Recv Packets: 1197 Recv Errors: 0			
Vendor: Apple Model: Wireless Network Adapter	Collis	ions: 0		

Linux: Ubuntu 8 (GNOME)

This section shows you how to configure your computer's TCP/IP settings in the GNU Object Model Environment (GNOME) using the Ubuntu 8 Linux distribution. The procedure, screens and file locations may vary depending on your specific distribution, release version, and individual configuration. The following screens use the default Ubuntu 8 installation.

Note: Make sure you are logged in as the root administrator.

Follow the steps below to configure your computer IP address in GNOME:

1 Click System > Administration > Network.



2 When the **Network Settings** window opens, click **Unlock** to open the **Authenticate** window. (By default, the **Unlock** button is greyed out until clicked.) You cannot make changes to your configuration unless you first enter your admin password.

Network Settings	×
Location:	
Connections General DNS Hosts	
Wired connection Roaming mode enabled	Properties
Point to point connec This network interface is not c	
? Help	llock

3 In the **Authenticate** window, enter your admin account name and password then click the **Authenticate** button.

9	Authenticate
R	System policy prevents modifying the configuration
	An application is attempting to perform an action that requires privileges. Authentication as one of the users below is required to perform this action.
	🔒 C.J.,,,, (chris) 😫
	Password for chris:
þ <u>D</u> eta	ails
	Cancel <u>Authenticate</u>

4 In the **Network Settings** window, select the connection that you want to configure, then click **Properties**.

Network Settings	×
Location:	
Connections General DNS Hosts	
Wired connection Roaming mode enabled	ies
Point to point connec This network interface is not c	
	lose

5 The **Properties** dialog box opens.

<u>5</u>	eth0 Properties X
Enable roaming mo	ode
Connection Setting	IS
Con <u>fi</u> guration:	↓
<u>I</u> P address:	
<u>S</u> ubnet mask:	
<u>G</u> ateway address:	

- In the **Configuration** list, select **Automatic Configuration (DHCP)** if you have a dynamic IP address.
- In the **Configuration** list, select **Static IP address** if you have a static IP address. Fill in the **IP address**, **Subnet mask**, and **Gateway address** fields.
- 6 Click OK to save the changes and close the **Properties** dialog box and return to the **Network Settings** screen.
- 7 If you know your DNS server IP address(es), click the **DNS** tab in the **Network Settings** window and then enter the DNS server information in the fields provided.

Network Settings	×
Location:	
DNS Servers	
10.0.2.3	<u>A</u> dd
Search Domains	
	- <u>Add</u> ☐ <u>D</u> elete
€ Help	Close

8 Click the **Close** button to apply the changes.

Verifying Settings

Check your TCP/IP properties by clicking **System > Administration > Network Tools**, and then selecting the appropriate **Network device** from the **Devices** tab. The **Interface Statistics** column shows data if your connection is working properly.

ol <u>E</u> dit <u>H</u> elp	and the second se	Network Tools	
evices Ping Netsta	t Traceroute Po	ort Scan Lookup Finger Wh	nois
		· · · · · · · · · · · · · · · · · · ·	
<u>N</u> etwork device:	📑 Ethern	et Interface (eth0)	🗧 🕺 <u>C</u> onfigure
PINTORMATION		110.000 NR 1000 NR 1000 NR	201-223
Protocol IP Addre	SS	Netmask / Prefix Broadcas	t Scope
IPv4 10.0.2.1	5	255.255.255.0 10.0.2.25	5
IPv6 fe80::a0	0:27ff:fe30:e16c	64	Link
nterface Informat	ion	Interface Statistics	>
nterface Informat Hardware address:	ion 08:00:27:30:e1:	Interface Statistics) 684.6 КіВ
nterface Informat Hardware address Multicast:	ion : 08:00:27:30:e1: Enabled	Interface Statistics 6c Transmitted bytes: Transmitted packets	684.6 KiB : 1425
nterface Informat Hardware address: Multicast: MTU:	ion : 08:00:27:30:e1: Enabled 1500	Interface Statistics :6c Transmitted bytes: Transmitted packets Transmission errors:	684.6 КіВ : 1425 0
nterface Informat Hardware address Multicast: MTU: Link speed:	ion : 08:00:27:30:e1: Enabled 1500 not available	Interface Statistics 6c Transmitted bytes: Transmitted packets Transmission errors: Received bytes:	684.6 КіВ : 1425 0 219.5 КіВ
nterface Informat Hardware address: Multicast: MTU: Link speed: State:	ion 08:00:27:30:e1: Enabled 1500 not available Active	Interface Statistics :6c Transmitted bytes: Transmitted packets Transmission errors: Received bytes: Received packets:	684.6 КіВ : 1425 0 219.5 КіВ 1426
nterface Informat Hardware address: Multicast: MTU: Link speed: State:	ion 08:00:27:30:e1: Enabled 1500 not available Active	Interface Statistics Fransmitted bytes: Transmitted packets Transmission errors: Received bytes: Received packets: Reception errors:	684.6 КіВ : 1425 0 219.5 КіВ 1426 0
nterface Informat Hardware address: Multicast: MTU: Link speed: State:	ion 08:00:27:30:e1: Enabled 1500 not available Active	Interface Statistics Fransmitted bytes: Transmitted packets Transmission errors: Received bytes: Received packets: Reception errors: Collisions:	684.6 KiB : 1425 0 219.5 KiB 1426 0 0
nterface Informat Hardware address Multicast: MTU: Link speed: State:	ion 08:00:27:30:e1: Enabled 1500 not available Active	Interface Statistics :6c Transmitted bytes: Transmitted packets Transmission errors: Received bytes: Received packets: Reception errors: Collisions:	684.6 КіВ : 1425 0 219.5 КіВ 1426 0 0

Figure 119 Ubuntu 8: Network Tools

Linux: openSUSE 10.3 (KDE)

This section shows you how to configure your computer's TCP/IP settings in the K Desktop Environment (KDE) using the openSUSE 10.3 Linux distribution. The procedure, screens and file locations may vary depending on your specific distribution, release version, and individual configuration. The following screens use the default openSUSE 10.3 installation.

Note: Make sure you are logged in as the root administrator.

Follow the steps below to configure your computer IP address in the KDE:

1 Click K Menu > Computer > Administrator Settings (YaST).

Search:			•	
			Applica	tions 🔺
Ac Ya	lministrator Settings aST			
👰 In	stall Software			
(۵) ا	/stem Information /sinfo:/			1111
			System Fo	Iders
/h	ome Folder Iome/zyxel			
💓 My /h	y Documents Iome/zyxel/Docum	ients		
See Na	etwork Folders emote:/			
			ħ	1edia
2. /h	4G Media (2.0 GB ava Iome	ailable)		▲ ▼
$\stackrel{\frown}{}$			\bigotimes	•
<u>F</u> avorites	Applications	<u>C</u> omputer	History	Leave
User zyxel	on linux-h2oz		open S	iUSE [.]

2 When the **Run as Root - KDE su** dialog opens, enter the admin password and click **OK**.

💢 Run as r	oot - KDE su 🧐	7_0 ×		
R	Please enter the Administr password to continue.	rator (root)		
Command:	/sbin/yast2			
<u>P</u> assword:	••••			
	Ignore 🔽 <u>O</u> K	X <u>C</u> ancel		

3 When the YaST Control Center window opens, select Network Devices and then click the Network Card icon.

🧶 YaST Control Center @ lin	nux-h2oz 🅘		
<u>F</u> ile <u>E</u> dit <u>H</u> elp			
Software	DSL	ISDN	
Hardware			
System	Modem	Network Card	
Network Devices			
- Network Services			
Movell AppArmor			
Security and Users			
💥 Miscellaneous			
Search			
			1

4 When the **Network Settings** window opens, click the **Overview** tab, select the appropriate connection **Name** from the list, and then click the **Configure** button.

🚯 YaST2@linux-h2oz 🍥		
Network Card Overview	Network Settings	
Obtain an overview of installed network cards. Additionally, edit their	Global Options Overview Hostname/DNS Routing	
configuration.	Name IP Address	
Adding a Network Card: Press Add to configure a new network card	AMD PCnet - Fast 790971 DHCP	
Configuring or Deleting: Choose a network card to change or remove. Then press Configure or Delete as desired.		
	AMD PCnet - Fast 79C971 MAC : 08:00:27:96:ed:3d • Device Name: eth-eth0 • Started automatically at boot • IP address assigned using DHCP	
	Add Configure Pelete Back Abort F	inish

5 When the Network Card Setup window opens, click the Address tab

Addrass Satur	Network Car	d Setup		
Address Setup Select No Address Setup if you do not want any IP address for this device. This is particularly useful for bonding ethernet devices.	General Address	A Setup Hardware Infiguration Name Bonding Devices)		
address if you do not have a static IP address assigned by the system administrator or your cable or DSL provider. You can choose one of the dynamic address assignment method. Select DHCP if you have a DHCP server running on your local	Statically assigned IP Address Additional Addresses Additional Addresses	I IP Address Subnet Mask ddress Netmask	Hostname	
network. Network addresses are then obtained automatically from the server. To automatically search for free IP and then assign it statically, select Zeroconf. To use		Add Edit D	ejete	

Figure 120 openSUSE 10.3: Network Card Setup

6 Select **Dynamic Address (DHCP)** if you have a dynamic IP address.

Select Statically assigned IP Address if you have a static IP address. Fill in the IP address, Subnet mask, and Hostname fields.

- 7 Click Next to save the changes and close the Network Card Setup window.
- 8 If you know your DNS server IP address(es), click the **Hostname**/ **DNS** tab in **Network Settings** and then enter the DNS server information in the fields provided.

Enter the name for	👰 Network Settings	
DNS domain that it belongs to.	Global Options Overview Hostname	e/DNS Routing
Optionally enter the name server list and	Hostname and Domain Name	Domain Name
domain search list.	linux-h2oz	site
Note that the hostname is globalit applies to all	<u>C</u> hange Hostname via DHCP <u>W</u> rite Hostname to /etc/hosts	
interfaces, not just this one.	Change /etc/resolv.conf manually Name Servers and Domain Search List	
The domain is especially important if	Name Server 1	Do <u>m</u> ain Search
this computer is a mail	10.0.2.3	
server.	Name Server 2	
If you are using DHCP to get an IP address, check whether to get a bostname via DHCP.	Name Server <u>3</u>	
The hostname of your host (which can be	Update DNS data via DHCP	
hostname command) will be set automatically by the DHCP client. You may want to disable this option if you connect to different networks		

9 Click **Finish** to save your settings and close the window.

Verifying Settings

Click the **KNetwork Manager** icon on the **Task bar** to check your TCP/IP properties. From the **Options** sub-menu, select **Show Connection Information**.

Figure 121 openSUSE 10.3: KNetwork Manager

🗊 Enable Wireless		
😰 Disable Wireless	😡 KNetworkManager	
✔ Switch to Online Mode	🔍 Wired Devices	
🐼 Switch to Offline Mode	🗙 Wired Network	
🕤 Show Connection Information	🔜 Dial-Up Connections	•
💫 Configure	🔏 Options	•
	🕜 <u>H</u> elp	•
	0 <u>Q</u> uit	Ctrl+Q
		🔣 🥹 👒

When the **Connection Status - KNetwork Manager** window opens, click the **Statistics tab** to see if your connection is working properly.

😣 Connection Status - KNetworkManager 🔄 7 🗖 🗙				
Device Addresses Statistics				
	Received	Transmitted		
Bytes	2317441	841875		
MBytes	2.2	0.8		
Packets	3621	3140		
Errors	0	0		
Dropped	0	0		
KBytes/s	0.0	0.0		

Figure 122 openSUSE: Connection Status - KNetwork Manager

Common Services

The following table lists some commonly-used services and their associated protocols and port numbers. For a comprehensive list of port numbers, ICMP type/code numbers and services, visit the IANA (Internet Assigned Number Authority) web site.

- **Name**: This is a short, descriptive name for the service. You can use this one or create a different one, if you like.
- **Protocol**: This is the type of IP protocol used by the service. If this is **TCP**/ **UDP**, then the service uses the same port number with TCP and UDP. If this is **USER-DEFINED**, the **Port(s)** is the IP protocol number, not the port number.
- **Port(s)**: This value depends on the **Protocol**. Please refer to RFC 1700 for further information about port numbers.
 - If the Protocol is TCP, UDP, or TCP/ UDP, this is the IP port number.
 - If the Protocol is USER, this is the IP protocol number.
- **Description**: This is a brief explanation of the applications that use this service or the situations in which this service is used.

NAME	PROTOCOL	PORT(S)	DESCRIPTION
AH (IPSEC_TUNNEL)	User-Defined	51	The IPSEC AH (Authentication Header) tunneling protocol uses this service.
AIM/New-ICQ	ТСР	5190	AOL's Internet Messenger service. It is also used as a listening port by ICQ.
AUTH	ТСР	113	Authentication protocol used by some servers.
BGP	ТСР	179	Border Gateway Protocol.
BOOTP_CLIENT	UDP	68	DHCP Client.
BOOTP_SERVER	UDP	67	DHCP Server.
CU-SEEME	ТСР	7648	A popular videoconferencing solution from White
	UDP	24032	Pines Software.
DNS	TCP/UDP	53	Domain Name Server, a service that matches web names (for example <u>www.zyxel.com</u>) to IP numbers.
ESP (IPSEC_TUNNEL)	User-Defined	50	The IPSEC ESP (Encapsulation Security Protocol) tunneling protocol uses this service.
FINGER	ТСР	79	Finger is a UNIX or Internet related command that can be used to find out if a user is logged on.
FTP	ТСР	20	File Transfer Program, a program to enable fast
	ТСР	21	be possible by e-mail.
H.323	ТСР	1720	NetMeeting uses this protocol.
НТТР	ТСР	80	Hyper Text Transfer Protocol - a client/server protocol for the world wide web.

 Table 60
 Commonly Used Services

Table 60	Commonly Used	Services	(continued)
----------	---------------	----------	-------------

NAME	PROTOCOL	PORT(S)	DESCRIPTION	
HTTPS	ТСР	443	HTTPS is a secured http session often used in e- commerce.	
ICMP	User-Defined	1	Internet Control Message Protocol is often used for diagnostic or routing purposes.	
ICQ	UDP	4000	This is a popular Internet chat program.	
IGMP (MULTICAST)	User-Defined	2	Internet Group Management Protocol is used when sending packets to a specific group of hosts.	
IKE	UDP	500	The Internet Key Exchange algorithm is used for key distribution and management.	
IRC	TCP/UDP	6667	This is another popular Internet chat program.	
MSN Messenger	ТСР	1863	Microsoft Networks' messenger service uses this protocol.	
NEW-ICQ	ТСР	5190	An Internet chat program.	
NEWS	ТСР	144	A protocol for news groups.	
NFS	UDP	2049	Network File System - NFS is a client/server distributed file service that provides transparent file sharing for network environments.	
NNTP	ТСР	119	Network News Transport Protocol is the delivery mechanism for the USENET newsgroup service.	
PING	User-Defined	1	Packet INternet Groper is a protocol that sends out ICMP echo requests to test whether or not a remote host is reachable.	
РОР3	ТСР	110	Post Office Protocol version 3 lets a client computer get e-mail from a POP3 server through a temporary connection (TCP/IP or other).	
РРТР	ТСР	1723	Point-to-Point Tunneling Protocol enables secure transfer of data over public networks. This is the control channel.	
PPTP_TUNNEL (GRE)	User-Defined	47	PPTP (Point-to-Point Tunneling Protocol) enables secure transfer of data over public networks. This is the data channel.	
RCMD	ТСР	512	Remote Command Service.	
REAL_AUDIO	ТСР	7070	A streaming audio service that enables real time sound over the web.	
REXEC	ТСР	514	Remote Execution Daemon.	
RLOGIN	ТСР	513	Remote Login.	
RTELNET	ТСР	107	Remote Telnet.	
RTSP	TCP/UDP	554	The Real Time Streaming (media control) Protocol (RTSP) is a remote control for multimedia on the Internet.	
SFTP	ТСР	115	Simple File Transfer Protocol.	
SMTP	ТСР	25	Simple Mail Transfer Protocol is the message- exchange standard for the Internet. SMTP enables you to move messages from one e-mail server to another.	
SNMP	TCP/UDP	161	Simple Network Management Program.	
SNMP-TRAPS	TCP/UDP	162	Traps for use with the SNMP (RFC:1215).	

NAME	PROTOCOL	PORT(S)	DESCRIPTION	
SQL-NET	ТСР	1521	Structured Query Language is an interface to access data on many different types of database systems, including mainframes, midrange systems, UNIX systems and network servers.	
SSH	TCP/UDP	22	Secure Shell Remote Login Program.	
STRM WORKS	UDP	1558	Stream Works Protocol.	
SYSLOG	UDP	514	Syslog allows you to send system logs to a UNIX server.	
TACACS	UDP	49	Login Host Protocol used for (Terminal Access Controller Access Control System).	
TELNET	ТСР	23	Telnet is the login and terminal emulation protocol common on the Internet and in UNIX environments. It operates over TCP/IP networks. Its primary function is to allow users to log into remote host systems.	
TFTP	UDP	69	Trivial File Transfer Protocol is an Internet file transfer protocol similar to FTP, but uses the UDP (User Datagram Protocol) rather than TCP (Transmission Control Protocol).	
VDOLIVE	ТСР	7000	Another videoconferencing solution.	

 Table 60
 Commonly Used Services (continued)

Legal Information

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Regulatory Notice and Statement

UNITED STATEs of AMERICA



The following information applies if you use the product within USA area.

FCC EMC Statement

- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.
- This product has been tested and complies with the specifications for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device generates, uses, and can radiate radio frequency energy and, if not installed and used according to the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
- If this device does cause harmful interference to radio or television reception, which is found by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- 2 Increase the separation between the devices.
- Connect the device to an outlet other than the receiver's.
 Consult a dealer or an experienced radio/TV technician for assistance.

FCC Radiation Exposure Statement

- This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.
- This transmitter must be at least 21 cm from the user and must not be co-located or operating in conjunction with any other antenna or transmitter.

CANADA

2

The following information applies if you use the product within Canada area.

Industry Canada ICES statement

CAN ICES-3 (B)/NMB-3(B)

Industry Canada RSS-GEN & RSS-247 statement

- This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
- This radio transmitter (2468C-NBG6815) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.
- If the product has 5G wireless function, the following attention shall be paid that, the device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
- Le présent émetteur radio (2468C-NBG6815) de modèle s'il fait partie du matériel de catégorieI) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.
- Si vous utilisez le produit avec 5G sans fil fonction, suivant l'attention doit être versée que, les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

Industry Canada radiation exposure statement

This device complies with IC radiation exposure limits set forth for an uncontrolled environment. This device should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

EUROPEAN UNION



The following information applies if you use the product within the European Union.

Declaration of Conformity with Regard to EU Directive 1999/5/EC (R&TTE Directive)

Compliance information for 2.4GHz and/or 5GHz wireless products relevant to the EU and other Countries following the EU Directive 1999/ 5/EC (R&TTE).

Български (Bulgarian)	С настоящото ZyXEL декларира, че това оборудване е в съответствие със съществените изисквания и другите приложими разпоредбите на Директива 1999/5/ЕС.		
Español (Spanish)	Por medio de la presente ZyXEL declara que el equipo cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.		
Čeština	ZyXEL tímto prohlašuje, že tento zařízení je ve shodě se základními požadavky a dalšími příslušnými ustanoveními		
(Czech)	směrnice 1999/5/EC.		
Dansk (Danish)	Undertegnede ZyXEL erklærer herved, at følgende udstyr udstyr overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.		
Deutsch	Hiermit erklärt ZyXEL, dass sich das Gerät Ausstattung in Übereinstimmung mit den grundlegenden Anforderungen		
(German)	und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EU befindet.		
Eesti keel	Käesolevaga kinnitab ZyXEL seadme seadmed vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist		
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Ελληνικἁ	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ ΖΥΧΕΙ ΔΗΛΩΝΕΙ ΟΤΙ εξοπλισμός ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ		
(Greek)	ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕC.		
English	Hereby, ZyXEL declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.		
Français	Par la présente ZyXEL déclare que l'appareil équipements est conforme aux exigences essentielles et aux autres		
(French)	dispositions pertinentes de la directive 1999/5/EC.		
Hrvatski (Croatian)	ZyXEL ovime izjavljuje da je radijska oprema tipa u skladu s Direktivom 1999/5/EC.		
Íslenska	Hér með lýsir, ZyXEL því yfir að þessi búnaður er í samræmi við grunnkröfur og önnur viðeigandi ákvæði tilskipunar		
(Icelandic)	1999/5/EC.		

Italiano (Italian)	Con la presente ZyXEL dichiara che questo attrezzatura è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.	
Latviešu valoda (Latvian)	Ar šo ZyXEL deklarē, ka iekārtas atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.	
Lietuvių kalba (Lithuanian)	Šiuo ZyXEL deklaruoja, kad šis įranga atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.	
Magyar (Hungarian)	Alulírott, ZyXEL nyilatkozom, hogy a berendezés megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EK irányelv egyéb előírásainak.	
Malti (Maltese)	Hawnhekk, ZyXEL, jiddikjara li dan taghmir jikkonforma mal-htigijiet essenzjali u ma provvedimenti ohrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.	
Nederlands (Dutch)	Hierbij verklaart ZyXEL dat het toestel uitrusting in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EC.	
Polski (Polish)	Niniejszym ZyXEL oświadcza, że sprzęt jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.	
Português (Portuguese)	ZyXEL declara que este equipamento está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/EC.	
Română (Romanian)	Prin prezenta, ZyXEL declară că acest echipament este în conformitate cu cerințele esențiale și alte prevederi relevante ale Directivei 1999/5/EC.	
Slovenčina (Slovak)	ZyXEL týmto vyhlasuje, že zariadenia spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/EC.	
Slovenščina (Slovene)	ZyXEL izjavlja, da je ta oprema v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/EC.	
Suomi (Finnish)	ZyXEL vakuuttaa täten että laitteet tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.	
Suomi (Finnish) Svenska (Swedish)	ZyXEL vakuuttaa täten että laitteet tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen. Härmed intygar ZyXEL att denna utrustning står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EC.	
Suomi (Finnish) Svenska (Swedish) Norsk (Norwegian)	ZyXEL vakuuttaa täten että laitteet tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen. Härmed intygar ZyXEL att denna utrustning står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EC. Erklærer herved ZyXEL att dette utstyret er I samsvar med de grunnleggende kravene og andre relevante bestemmelser I direktiv 1999/5/EF.	

National Restrictions

This product may be used in all EU countries (and other countries following the EU Directive 2014/53/EU) without any limitation except for the countries mentioned below:

Ce produit peut être utilisé dans tous les pays de l'UE (et dans tous les pays ayant transposés la directive 2014/53/UE) sans aucune limitation, excepté pour les pays mentionnés ci-dessous:

Questo prodotto è utilizzabile in tutte i paesi EU (ed in tutti gli altri paesi che seguono le direttiva 2014/53/UE) senza nessuna limitazione, eccetto per i paesii menzionati di seguito:

Das Produkt kann in allen EU Staaten ohne Einschränkungen eingesetzt werden (sowie in anderen Staaten die der Richtlinie 2014/53/EU folgen) mit Außnahme der folgenden aufgeführten Staaten:

In the majority of the EU and other European countries, the 2.4GHz and 5GHz bands have been made available for the use of wireless local area networks (LANs). Later in this document you will find an overview of countries in which additional restrictions or requirements or both are applicable.

The requirements for any country may evolve. ZyXEL recommends that you check with the local authorities for the latest status of their national regulations for both the 2.4GHz and 5GHz wireless LANs.

The following countries have restrictions and/or requirements in addition to those given in the table labeled "Overview of Regulatory Requirements for Wireless LANs":.

Belgium

The Belgian Institute for Postal Services and Telecommunications (BIPT) must be notified of any outdoor wireless link having a range exceeding 300 meters. Please check http://www.bipt.be for more details.

Draadloze verbindingen voor buitengebruik en met een reikwijdte van meer dan 300 meter dienen aangemeld te worden bij het Belgisch Instituut voor postdiensten en telecommunicatie (BIPT). Zie http://www.bipt.be voor meer gegevens.

Les liaisons sans fil pour une utilisation en extérieur d'une distance supérieure à 300 mètres doivent être notifiées à l'Institut Belge des services Postaux et des Télécommunications (IBPT). Visitez http://www.ibpt.be pour de plus amples détails.

Denmark

In Denmark, the band 5150 - 5350 MHz is also allowed for outdoor usage.

I Danmark må frekvensbåndet 5150 - 5350 også anvendes udendørs.

Italy

This product meets the National Radio Interface and the requirements specified in the National Frequency Allocation Table for Italy. Unless this wireless LAN product is operating within the boundaries of the owner's property, its use requires a "general authorization." Please check http://www.sviluppoeconomico.gov.it/ for more details.

Questo prodotto è conforme alla specifiche di Interfaccia Radio Nazionali e rispetta il Piano Nazionale di ripartizione delle frequenze in Italia. Se non viene installato all 'interno del proprio fondo, l'utilizzo di prodotti Wireless LAN richiede una "Autorizzazione Generale". Consultare http://www.sviluppoeconomico.gov.it/ per maggiori dettagli.

Latvia

The outdoor usage of the 2.4 GHz band requires an authorization from the Electronic Communications Office. Please check http:// www.esd.lv for more details.

2.4 GHz frekvenèu joslas izmantoðanai årpus telpâm nepiecieðama atïauja no Elektronisko sakaru direkcijas. Vairâk informâcijas: http:// www.esd.lv.

Notes:

1. Although Norway, Switzerland and Liechtenstein are not EU member states, the EU Directive 2014/53/EU has also been implemented in those countries.

2. The regulatory limits for maximum output power are specified in EIRP. The EIRP level (in dBm) of a device can be calculated by adding the gain of the antenna used(specified in dBi) to the output power available at the connector (specified in dBm).

List of national codes

COUNTRY	ISO 3166 2 LETTER CODE	COUNTRY	ISO 3166 2 LETTER CODE
Austria	AT	Liechtenstein	LI
Belgium	BE	Lithuania	LT
Bulgaria	BG	Luxembourg	LU
Croatia	HR	Malta	MT
Cyprus	CY	Netherlands	NL
Czech Republic	CR	Norway	NO
Denmark	DK	Poland	PL
Estonia	EE	Portugal	PT
Finland	FI	Romania	RO
France	FR	Serbia	RS
Germany	DE	Slovakia	SK
Greece	GR	Slovenia	SI
Hungary	HU	Spain	ES
Iceland	IS	Sweden	SE
Ireland	IE	Switzerland	СН
Italy	IT	Turkey	TR
Latvia	LV	United Kingdom	GB

Safety Warnings

- Do not use this product near water, for example, in a wet basement or near a swimming pool.
- Do not expose your device to dampness, dust or corrosive liquids.
- Do not store things on the device.
- Do not install, use, or service this device during a thunderstorm. There is a remote risk of electric shock from lightning.
- Connect ONLY suitable accessories to the device.
- Do not open the device or unit. Opening or removing covers can expose you to dangerous high voltage points or other risks. ONLY
 qualified service personnel should service or disassemble this device. Please contact your vendor for further information.
- Make sure to connect the cables to the correct ports.
- Place connecting cables carefully so that no one will step on them or stumble over them.
- Always disconnect all cables from this device before servicing or disassembling.
- Do not remove the plug and connect it to a power outlet by itself; always attach the plug to the power adaptor first before connecting it to a power outlet.
- Do not allow anything to rest on the power adaptor or cord and do NOT place the product where anyone can walk on the power adaptor or cord.
- Please use the provided or designated connection cables/power cables/ adaptors. Connect it to the right supply voltage (for example, 110V AC in North America or 230V AC in Europe). If the power adaptor or cord is damaged, it might cause electrocution. Remove it from the device and the power source; repairing the power adapter or cord is prohibited. Contact your local vendor to order a new one.
- Do not use the device outside, and make sure all the connections are indoors. There is a remote risk of electric shock from lightning.
- Caution: risk of explosion if battery (on the motherboard) is replaced by an incorrect type. dispose of used batteries according to the instructions. Dispose them at the applicable collection point for the recycling of electrical and electronic device. For detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the store where you purchased the product.
- Do not obstruct the device ventilation slots, as insufficient airflow may harm your device.

The following warning statements apply, where the disconnect device is not incorporated in the device or where the plug on the power supply cord is intended to serve as the disconnect device,

- For permanently connected devices, a readily accessible disconnect device shall be incorporated external to the device;
- For pluggable devices, the socket-outlet shall be installed near the device and shall be easily accessible.

Environment statement

ErP (Energy-related Products)

ZyXEL products put on the EU market in compliance with the requirement of the European Parliament and the Council published

Directive 2009/125/EC establishing a framework for the setting of ecodesign requirements for energy-related products (recast), so called as "ErP Directive (Energy-related Products directive) as well as ecodesign requirement laid down in applicable implementing measures, power consumption has satisfied regulation requirements which are:

Network standby power consumption < 12W, and/or

Off mode power consumption < 0.5W, and/or

Standby mode power consumption < 0.5W.

Wireless setting, please refer to the "Wireless" chapter for more detail.

European Union - Disposal and Recycling Information

The symbol below means that according to local regulations your product and/or its battery shall be disposed of separately from domestic waste. If this product is end of life, take it to a recycling station designated by local authorities. At the time of disposal, the separate collection of your product and/or its battery will help save natural resources and ensure that the environment is sustainable development.

Die folgende Symbol bedeutet, dass Ihr Produkt und/oder seine Batterie gemäß den örtlichen Bestimmungen getrennt vom Hausmüll entsorgt werden muss. Wenden Sie sich an eine Recyclingstation, wenn dieses Produkt das Ende seiner Lebensdauer erreicht hat. Zum Zeitpunkt der Entsorgung wird die getrennte Sammlung von Produkt und/oder seiner Batterie dazu beitragen, natürliche Ressourcen zu sparen und die Umwelt und die menschliche Gesundheit zu schützen.

El símbolo de abajo indica que según las regulaciones locales, su producto y/o su batería deberán depositarse como basura separada de la doméstica. Cuando este producto alcance el final de su vida útil, llévelo a un punto limpio. Cuando llegue el momento de desechar el producto, la recogida por separado éste y/o su batería ayudará a salvar los recursos naturales y a proteger la salud humana y medioambiental.

Le symbole ci-dessous signifie que selon les réglementations locales votre produit et/ou sa batterie doivent être éliminés séparément des ordures ménagères. Lorsque ce produit atteint sa fin de vie, amenez-le à un centre de recyclage. Au moment de la mise au rebut, la collecte séparée de votre produit et/ou de sa batterie aidera à économiser les ressources naturelles et protéger l'environnement et la santé humaine.

Il simbolo sotto significa che secondo i regolamenti locali il vostro prodotto e/o batteria deve essere smaltito separatamente dai rifiuti domestici. Quando questo prodotto raggiunge la fine della vita di servizio portarlo a una stazione di riciclaggio. Al momento dello smaltimento, la raccolta separata del vostro prodotto e/o della sua batteria aiuta a risparmiare risorse naturali e a proteggere l'ambiente e la salute umana.

Symbolen innebär att enligt lokal lagstiftning ska produkten och/eller dess batteri kastas separat från hushållsavfallet. När den här produkten når slutet av sin livslängd ska du ta den till en återvinningsstation. Vid tiden för kasseringen bidrar du till en bättre miljö och mänsklig hälsa genom att göra dig av med den på ett återvinningsställe.





Environmental Product Declaration



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台灣



以下訊息僅適用於產品銷售至台灣地區

第十二條→經型式認證合格之低功率射頻電機,非經許可,公司,商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。 第十四條→低功率射頻電機之使用不得影響飛航安全及干擾合法通信;經發現有干擾現象時,應立即停用,並改善至無干擾時方得繼續使用。 前項合法通信,指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

安全警告

為了您的安全,請先閱讀以下警告及指示:

請勿將此產品接近水、火焰或放置在高溫的環境。

- 避免設備接觸。
- 任何液體 切勿讓設備接觸水、雨水、高濕度、污水腐蝕性的液體或其他水份。
- 灰塵及污物 切勿接觸灰塵、污物、沙土、食物或其他不合適的材料。
- 雷雨天氣時,不要安裝,使用或維修此設備。有遭受電擊的風險
- 切勿重摔或撞擊設備,並勿使用不正確的電源變壓器。
- 若接上不正確的電源變壓器會有爆炸的風險。
- 請勿隨意更換產品內的電池。
- 如果更換不正確之電池型式,會有爆炸的風險,請依製造商說明書處理使用過之電池。
- 請將廢電池丟棄在適當的電器或電子設備回收處。
- 請勿將設備解體
- 請勿阻礙設備的散熱孔,空氣對流不足將會造成設備損害。
- 請插在正確的電壓供給插座(如:北美/台灣電壓 110V AC,歐洲是 230V AC)。
- 假若電源變壓器或電源變壓器的纜線損壞,請從插座拔除,若您還繼續插電使用,會有觸電死亡的風險。
- 請勿試圖修理電源變壓器或電源變壓器的纜線,若有毀損,請直接聯絡您購買的店家,購買一個新的電源變壓器。
- 請勿將此設備安裝於室外,此設備僅適合放置於室內。
- 請勿隨一般垃圾丟棄。
- 請參閱產品背貼上的設備額定功率。
- 請參考產品型錄或是彩盒上的作業溫度。
- 產品沒有斷電裝置或者採用電源線的插頭視為斷電裝置的一部分,以下警語將適用:
- 對永久連接之設備,在設備外部須安裝可觸及之斷電裝置;
- 對插接式之設備, 插座必須接近安裝之地點而且是易於觸及的。

Viewing Certifications

Go to <u>http://www.zyxel.com</u> to view this product's documentation and certifications.

ZyXEL Limited Warranty

ZyXEL warrants to the original end user (purchaser) that this product is free from any defects in material or workmanship for a specific period (the Warranty Period) from the date of purchase. The Warranty Period varies by region. Check with your vendor and/or the authorized ZyXEL local distributor for details about the Warranty Period of this product. During the warranty period, and upon proof of purchase, should the product have indications of failure due to faulty workmanship and/or materials, ZyXEL will, at its discretion, repair or replace the defective products or components without charge for either parts or labor, and to whatever extent it shall deem necessary to restore the product or equal or higher value, and will be solely at the discretion of ZyXEL. This warranty shall not apply if the product has been modified, misused, tampered with, damaged by an act of God, or subjected to abnormal working conditions.

Note

Repair or replacement, as provided under this warranty, is the exclusive remedy of the purchaser. This warranty is in lieu of all other warranties, express or implied, including any implied warranty of merchantability or fitness for a particular use or purpose. ZyXEL shall in no event be held liable for indirect or consequential damages of any kind to the purchaser.

To obtain the services of this warranty, contact your vendor. You may also refer to the warranty policy for the region in which you bought the device at http://www.zyxel.com/web/support_warranty_info.php.

Registration

Register your product online to receive e-mail notices of firmware upgrades and information at www.zyxel.com.

Open Source Licenses

This product contains in part some free software distributed under GPL license terms and/or GPL like licenses. Open source licenses are provided with the firmware package. You can download the latest firmware at www.zyxel.com. If you cannot find it there, contact your vendor or ZyXEL Technical Support at support@zyxel.com.tw.

To obtain the source code covered under those Licenses, please contact your vendor or ZyXEL Technical Support at support@zyxel.com.tw.

Customer Support

In the event of problems that cannot be solved by using this manual, you should contact your vendor. If you cannot contact your vendor, then contact a ZyXEL office for the region in which you bought the device.

See http://www.zyxel.com/homepage.shtml and also

http://www.zyxel.com/about_zyxel/zyxel_worldwide.shtml for the latest information.

Please have the following information ready when you contact an office.

Required Information

- Product model and serial number.
- Warranty Information.
- Date that you received your device.
- Brief description of the problem and the steps you took to solve it.

Corporate Headquarters (Worldwide)

Taiwan

- ZyXEL Communications Corporation
- http://www.zyxel.com

Asia

China

- ZyXEL Communications (Shanghai) Corp.
 ZyXEL Communications (Beijing) Corp.
 ZyXEL Communications (Tianjin) Corp.
- http://www.zyxel.cn

India

- ZyXEL Technology India Pvt Ltd
- http://www.zyxel.in

Kazakhstan

ZyXEL Kazakhstan

http://www.zyxel.kz

Korea

- ZyXEL Korea Corp.
- http://www.zyxel.kr

Malaysia

- ZyXEL Malaysia Sdn Bhd.
- http://www.zyxel.com.my

Pakistan

- ZyXEL Pakistan (Pvt.) Ltd.
- http://www.zyxel.com.pk

Philippines

- ZyXEL Philippines
- http://www.zyxel.com.ph

Singapore

- ZyXEL Singapore Pte Ltd.
- http://www.zyxel.com.sg

Taiwan

- ZyXEL Communications Corporation
- http://www.zyxel.com/tw/zh/

Thailand

- ZyXEL Thailand Co., Ltd
- http://www.zyxel.co.th

Vietnam

- ZyXEL Communications Corporation-Vietnam Office
- http://www.zyxel.com/vn/vi

Europe

Austria

- ZyXEL Deutschland GmbH
- http://www.zyxel.de

Belarus

- ZyXEL BY
- http://www.zyxel.by

Belgium

- ZyXEL Communications B.V.
- http://www.zyxel.com/be/nl/
- http://www.zyxel.com/be/fr/

Bulgaria

- ZyXEL България
- http://www.zyxel.com/bg/bg/

Czech Republic

- ZyXEL Communications Czech s.r.o
- http://www.zyxel.cz

Denmark

- ZyXEL Communications A/S
- http://www.zyxel.dk

Estonia

- ZyXEL Estonia
- http://www.zyxel.com/ee/et/

Finland

- ZyXEL Communications
- http://www.zyxel.fi

France

- ZyXEL France
- http://www.zyxel.fr

Germany

- ZyXEL Deutschland GmbH
- http://www.zyxel.de

Hungary

- ZyXEL Hungary & SEE
- http://www.zyxel.hu

Italy

- ZyXEL Communications Italy
- http://www.zyxel.it/

Latvia

- ZyXEL Latvia
- http://www.zyxel.com/lv/lv/homepage.shtml

Lithuania

- ZyXEL Lithuania
- http://www.zyxel.com/lt/lt/homepage.shtml

Netherlands

- ZyXEL Benelux
- http://www.zyxel.nl

Norway

- ZyXEL Communications
- http://www.zyxel.no

Poland

- ZyXEL Communications Poland
- http://www.zyxel.pl

Romania

- ZyXEL Romania
- http://www.zyxel.com/ro/ro

Russia

- ZyXEL Russia
- http://www.zyxel.ru

Slovakia

- ZyXEL Communications Czech s.r.o. organizacna zlozka
- http://www.zyxel.sk

Spain

- ZyXEL Communications ES Ltd
- http://www.zyxel.es

Sweden

• ZyXEL Communications

http://www.zyxel.se

Switzerland

- Studerus AG
- http://www.zyxel.ch/

Turkey

- ZyXEL Turkey A.S.
- http://www.zyxel.com.tr

UK

- ZyXEL Communications UK Ltd.
- http://www.zyxel.co.uk

Ukraine

- ZyXEL Ukraine
- http://www.ua.zyxel.com

Latin America

Argentina

- ZyXEL Communication Corporation
- http://www.zyxel.com/ec/es/

Brazil

- ZyXEL Communications Brasil Ltda.
- https://www.zyxel.com/br/pt/

Ecuador

- ZyXEL Communication Corporation
- http://www.zyxel.com/ec/es/

Middle East

Israel

- ZyXEL Communication Corporation
- http://il.zyxel.com/homepage.shtml

Middle East

• ZyXEL Communication Corporation

http://www.zyxel.com/me/en/

North America

USA

- ZyXEL Communications, Inc. North America Headquarters
- http://www.zyxel.com/us/en/

Oceania

Australia

- ZyXEL Communications Corporation
- http://www.zyxel.com/au/en/

Africa

South Africa

- Nology (Pty) Ltd.
- http://www.zyxel.co.za

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