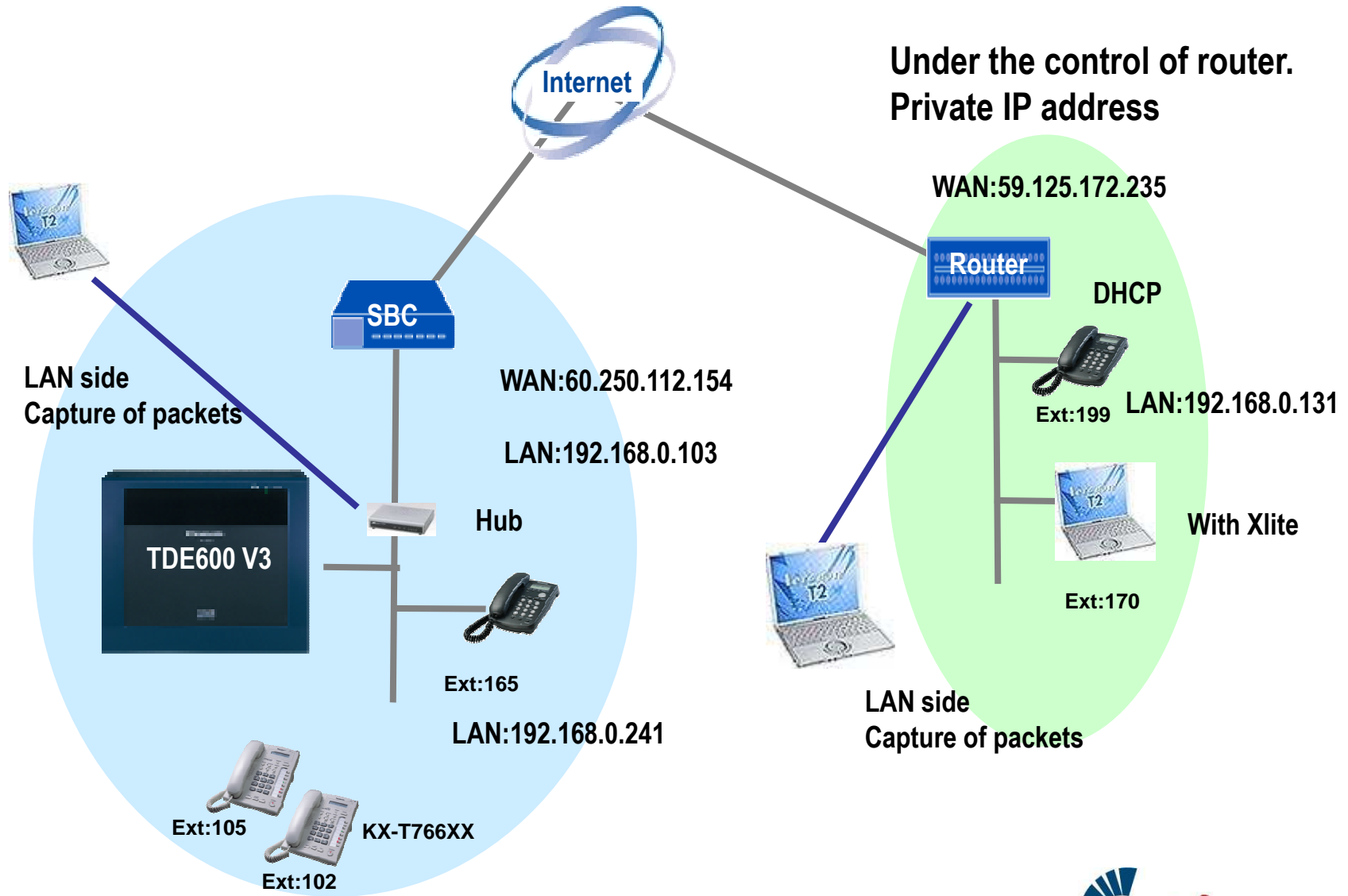


Hiv-SBC-Panasonic

網址：<http://www.hivocal.com.tw>

聲威網際科技股份有限公司
中華民國一百年六月二十二日

展示環境



PCMC 程式設定(1/2)

KX-TDE600XE – Version

Basic Shelf

Slot	Card Type	Status	Version
0	IPCEMPR(BX)	-	3.0001

IPCEMPR – Card Property

LAN Setting VoIP-DSP Option Port Number LAN Status DHCP IPCEMPR

Description	Value
DHCP Client	Disable
MAC Address for IPCEMPR-Card	
IP Address for IPCEMPR-Card	192.168.0.101
MAC Address for VoIP-DSP	
IP Address for VoIP-DSP	192.168.0.102
Subnet Mask	255.255.255.0
Default Gateway	192.168.0.1
Speed/Duplex for Main Port	Auto Negotiation
Speed/Duplex for Maintenance Port	Auto Negotiation
LAN Disconnect Decision Time	5 s
DHCP Port Number	67
DHCP Time Out	10 s

IP 相關

PCMC 程式設定(2/2)

1.1 Slot Port Property - Virtual SIP Extension Port

OK(O) Cancel(C) Apply(A)

Command(M) Copy to(T)

No.	Shelf	Slot	Port	Extension Number	Password	Connection	Current IP Address	Bearer	Packet Sampling Time (G.711/G.722)	Packet Sampling Time (G.729A)	Reserved	Reserved
1	Virtual	5	1	165	*****		192.168.0.241	Automatic	20 ms	20 ms	OFF	OFF
2	Virtual	5	2	170	*****		192.168.0.103	Automatic	20 ms	20 ms	OFF	OFF
3	Virtual	5	3	119	*****		192.168.0.103	Automatic	20 ms	20 ms	OFF	OFF
4	Virtual	5	4	120	***		192.168.0.103	Automatic	20 ms	20 ms	OFF	OFF
5	Virtual	5	5	180	***		192.168.0.103	Automatic	20 ms	20 ms	OFF	OFF
6	Virtual	5	6	122			0.0.0.0	Automatic	20 ms	20 ms	OFF	OFF
7	Virtual	5	7	123								
8	Virtual	5	8	124								
9	Virtual	5	9	125			0.0.0.0	Automatic	20 ms	20 ms	OFF	OFF
10	Virtual	5	10	126			0.0.0.0	Automatic	20 ms	20 ms	OFF	OFF
11	Virtual	5	11	127			0.0.0.0	Automatic	20 ms	20 ms	OFF	OFF
12	Virtual	5	12	128			0.0.0.0	Automatic	20 ms	20 ms	OFF	OFF
13	Virtual	5	13	129			0.0.0.0	Automatic	20 ms	20 ms	OFF	OFF
14	Virtual	5	14	130			0.0.0.0	Automatic	20 ms	20 ms	OFF	OFF
15	Virtual	5	15	131			0.0.0.0	Automatic	20 ms	20 ms	OFF	OFF
16	Virtual	5	16	132			0.0.0.0	Automatic	20 ms	20 ms	OFF	OFF
17	Virtual	5	17	133			0.0.0.0	Automatic	20 ms	20 ms	OFF	OFF
18	Virtual	5	18	134			0.0.0.0	Automatic	20 ms	20 ms	OFF	OFF
19	Virtual	5	19	135			0.0.0.0	Automatic	20 ms	20 ms	OFF	OFF
20	Virtual	5	20	136			0.0.0.0	Automatic	20 ms	20 ms	OFF	OFF

外網SIP Phone註冊位置相同為SBC LAN IP 位置

Hivocal SBC 程式設定 (1/5)

Hivocal SBC Default LAN IP Address: 192.168.100.1:10000或 WAN IP Address: 192.168.1.100:10000 (For first setting)
以瀏覽器進入本次測試內網IP



Username : admin
Password : minisip

Hivocal SBC 程式設定 (2/5)

Hivocal SBC 登入主畫面

MiniSIP - Windows Internet Explorer

http://211.75.178.45:10000/

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

MiniSIP

Date: 2011/03/17 MiniSIP (3.5.3) Home | Services | Password | Save | L

© 2008 Jarrow

- Environment
 - Networking
 - Basic
 - SIP
 - Ping Test
 - Routing
 - Firewall
 - Time
 - Time Zone
 - Upgrade
 - Kernel
 - Rootfs
 - Program
 - SIP client
 - Registration

Settings Restore

Settings Backup (Download)

Hivocal SBC 程式設定 (3/5)

Date: 2011/03/17 MiniSIP (3.5.3) | Home | Services | Password | Save | L

Basic

Environment

- Networking
 - Basic
 - SIP
 - Ping Test
 - Routing
 - Firewall
- Time
 - Time Zone
- Upgrade
 - Kernel
 - Rootfs
 - Program
- SIP client
 - Registration

WAN	
WAN Type	<input checked="" type="radio"/> Static IP <input type="radio"/> PPPoE
IP Address	
Subnet Mask	
Default Gateway	
PPPoE User Name	pppoe_user
PPPoE Password
MTU	1492
MAC Address	
LAN	
IP Address	192.168.0.101
Subnet Mask	255.255.255.0
DNS	
DNS Type :	<input type="radio"/> Automatic <input checked="" type="radio"/> Manual
Primary DNS :	168.95.1.1
Secondary DNS :	
NTP	
NTP Server :	pool.ntp.org

Update

SBC WAN 埠設定

SBC LAN 埠設定

!! 所有設定須先執行Update(更新)後再Save(儲存)

Hivocal SBC 程式設定 (4/5)

The screenshot shows the MiniSIP (3.5.3) web interface in Internet Explorer. The browser address bar shows <http://211.75.178.45:10000/>. The page title is "MiniSIP (3.5.3)". The navigation menu includes "Home", "Services", "Password", "Save", and "Logout". The "Save" button is highlighted with a green box. The left sidebar shows a tree view with "Environment" expanded, and "Networking" selected. Under "Networking", "SIP" is highlighted with a red box. The main content area displays the "SIP" configuration table:

SIP	
SIP Port :	5060
Trunk IP :	192.168.1.251
Trunk Port :	5060

Below the table is an "Update" button, which is highlighted with a green box. To the right of the table, there is a yellow box containing the text "TDE600 IPCEMPR". The Windows taskbar at the bottom shows the Start button and several open applications, including "Crysta...", "Hivoc...", "我的...", "SBC", "Micros...", "MiniSI...", and "SBC-...". The system clock shows "上午 11:14".

!! 所有設定須先執行Update(更新)後再Save(儲存)

Hivocal SBC 程式設定 (5/5)

Hivocal SBC 設定主畫面 Services : 顯示目前系統的狀態與參數

The screenshot shows the MiniSIP (3.5.3) web interface. The browser address bar shows <http://211.75.178.45:10000/>. The page title is "MiniSIP (3.5.3)". The navigation menu includes "Home", "Services", and "Password". The "Services" section is highlighted with a red box. The "Services" table shows the following status:

Service	Status	Action
SIP Proxy	Started	
Main System	Started	Reboot

The "System Time" and "Main Memory" sections are also visible:

System Time	2011-03-17 10:22:59
Main Memory	Free: 103168 kB, Total: 127716 kB

The "Environment" sidebar shows the following structure:

- Environment
 - Networking
 - Basic
 - SIP
 - Ping Test
 - Routing
 - Firewall
 - Time
 - Time Zone
 - Upgrade
 - Kernel
 - Rootfs
 - Program
 - SIP client
 - Registration

!! 所有設定完成後,再至Services按Reboot,重開後所有設定才能完成。



Hivocal SBC 程式其他 (1/6)

Hivocal SBC 系統組態設定: 在首頁中可選擇備份下載或上傳回存系統

The image shows a screenshot of the MiniSIP (3.5.2) web interface. The top navigation bar includes 'MiniSIP (3.5.2)' and a 'Home' link. Below the navigation bar is a copyright notice '© 2008 Jarrow'. Two buttons are visible: 'Settings Restore' (highlighted with a green border) and 'Settings Backup (Download)' (highlighted with a red border). A red arrow points from the 'Settings Backup (Download)' button to a security warning dialog box. The dialog box, titled '檔案下載 - 安全性警告', asks '是否要儲存這個檔案?' (Do you want to save this file?). It displays the file name 'minisip_cfg', type '不明的檔案類型, 4.98KB', and source '從: 192.168.0.103'. The dialog has '儲存(S)' (Save) and '取消' (Cancel) buttons. At the bottom, there is a warning icon and text: '雖然來自網際網路的檔案可能是有用的,但是這個檔案類型有可能會傷害您的電腦。如果您不信任其來源,請不要儲存這個軟體。有什麼樣的風險?' (Although files from the Internet may be useful, this file type may harm your computer. If you do not trust its source, do not save this software. What are the risks?).

Hivocal SBC 程式其他 (2/6)

Hivocal SBC Ping Test: 當註冊不了,或懷疑是網路問題,可用此功能測試IP

Date: 2011/03/17 MiniSIP (3.5.3) | Home | Services | Passwor

Ping Test

- Environment
 - Networking
 - Basic
 - SIP
 - Ping Test**
 - Routing
 - Firewall
 - Time
 - Time Zone
 - Upgrade
 - Kernel
 - Rootfs
 - Program
 - SIP client
 - Registration

Ping test target :

The number of tests : (1 ~ 99)

Hivocal SBC 程式其他 (3/6)

Hivocal SBC Registration: 可查經SBC註冊分機資料

Date: 2011/03/17 MiniSIP (3.5.3) | Home | Services | Password | Save

Registration information

Extension	Contact URI	Expire
901	sip:901@60.248.10.195:5916;rinstance=95e76c5769d6b2c2	49

Environment

- Networking
 - Basic
 - SIP
 - Ping Test
 - Routing
 - Firewall
- Time
 - Time Zone
- Upgrade
 - Kernel
 - Rootfs
 - Program
- SIP client
 - Registration

Hivocal SBC 程式其他 (4/6)

Hivocal SBC Password: 可變更SBC登入密碼(第一次登入後請務必更改密碼)

Date: 2011/03/17 MiniSIP (3.5.3) | Home | Services | **Password** | S

Password

New Password	<input type="text"/>
Retype New Password	<input type="text"/>
<input type="button" value="Update"/>	

- Environment
 - Networking
 - Basic
 - SIP
 - Ping Test
 - Routing
 - Firewall
 - Time
 - Time Zone
 - Upgrade
 - Kernel
 - Rootfs
 - Program
 - SIP client
 - Registration

Hivocal SBC 程式其他 (5/6)

Hivocal SBC Firewall: 可阻擋或只接受某些IP及PORT
Router: 可將LAN之路由加入

Date: 2011/03/17 MiniSIP (3.5.3) | Home | Services | Password | Save | L

Environment

- Networking
 - Basic
 - SIP
 - Ping Test
 - Routing
 - Firewall**
- Time
 - Time Zone
- Upgrade
- Kernel

Firewall rules for WAN

Network	<input type="text"/>	Netmask	<input type="text"/>	<input type="button" value="Add"/>	
Protocol	<input checked="" type="radio"/> NONE <input type="radio"/> TCP <input type="radio"/> UDP			Action	<input type="radio"/> ACCEPT <input checked="" type="radio"/> DROP
Port	<input type="text"/> (Start) ~ <input type="text"/> (Stop)	Priority	<input type="text"/>		

Priority	Network	Netmask	Protocol	Action	Port(start)	Port(stop)
----------	---------	---------	----------	--------	-------------	------------

Date: 2011/03/17 MiniSIP (3.5.3) | Home | Services | Password | Save

Environment

- Networking
 - Basic
 - SIP
 - Ping Test
 - Routing**
 - Firewall
- Time

Routing table for LAN

Network	<input type="text"/> / <input type="text"/>	Gateway	<input type="text"/>	<input type="button" value="Add"/>
---------	---	---------	----------------------	------------------------------------

Network	Gateway
---------	---------

Hivocal SBC 程式其他 (5/6)

Hivocal SBC Time Zone: 可選擇當地所在時區

The screenshot displays the configuration interface for MiniSIP (3.5.3) on the date 2011/03/17. The interface includes a navigation menu on the left under the 'Environment' section, with 'Time Zone' highlighted in a red box. The main content area is titled 'Time Zone' and contains a dropdown menu set to 'Asia/Taipei' and an 'Update' button.

Date: 2011/03/17 MiniSIP (3.5.3) | Home | Services | Pa

Environment

- Networking
 - Basic
 - SIP
 - Ping Test
 - Routing
 - Firewall
- Time**
 - Time Zone**
- Upgrade
 - Kernel
 - Rootfs
 - Program
- SIP client
 - Registration

Time Zone

Time Zone : Asia/Taipei

Update

SIP Phone 註冊設定

Basic Setting

Basic Setting

Location	E
Language	English
Telephone Number	119
SIP ID	119
SIP Password	123456
Proxy Address	60.250.112.154
Proxy Port	5060
Registrar Address	60.250.112.154
Registrar Port	5060
SIP Domain	192.168.0.101
Register Expire	720 seconds
Session Expire	90 seconds

注意: 搭配Hivocal SBC 的外點 SIP Phone 參數SIP Domain必須設定TDE MPR卡之IP位址

SBC WAN IP Address

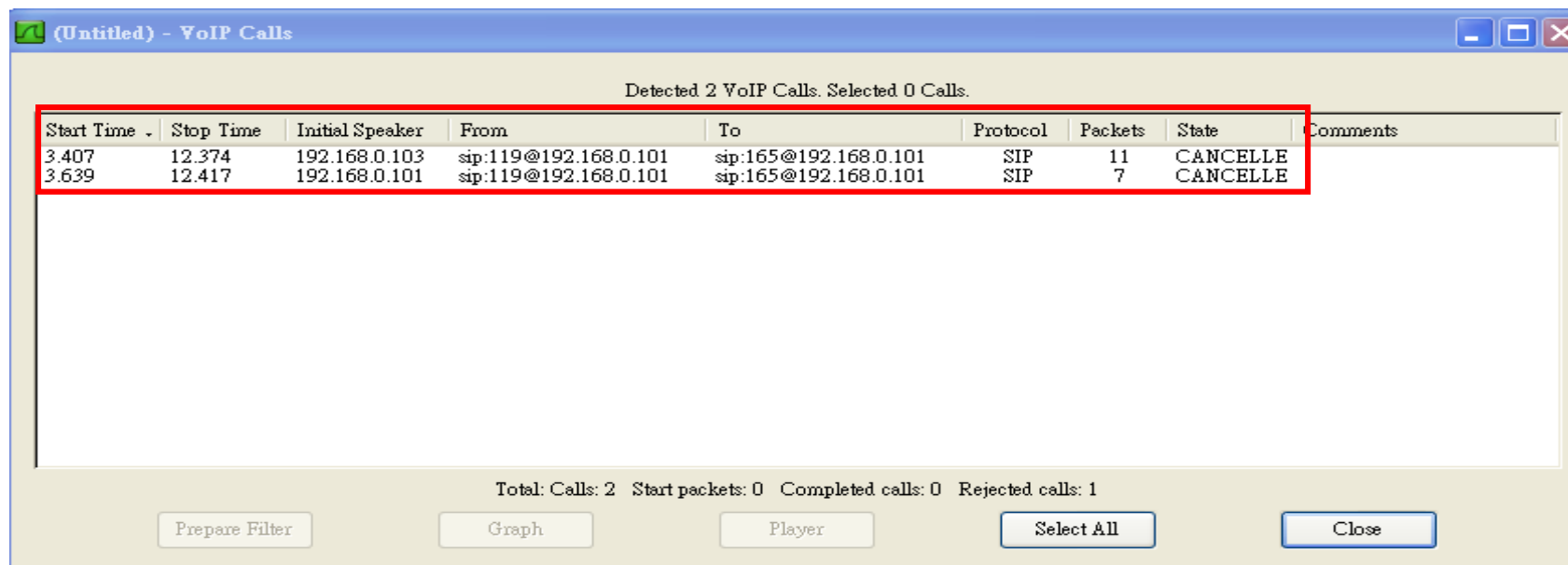
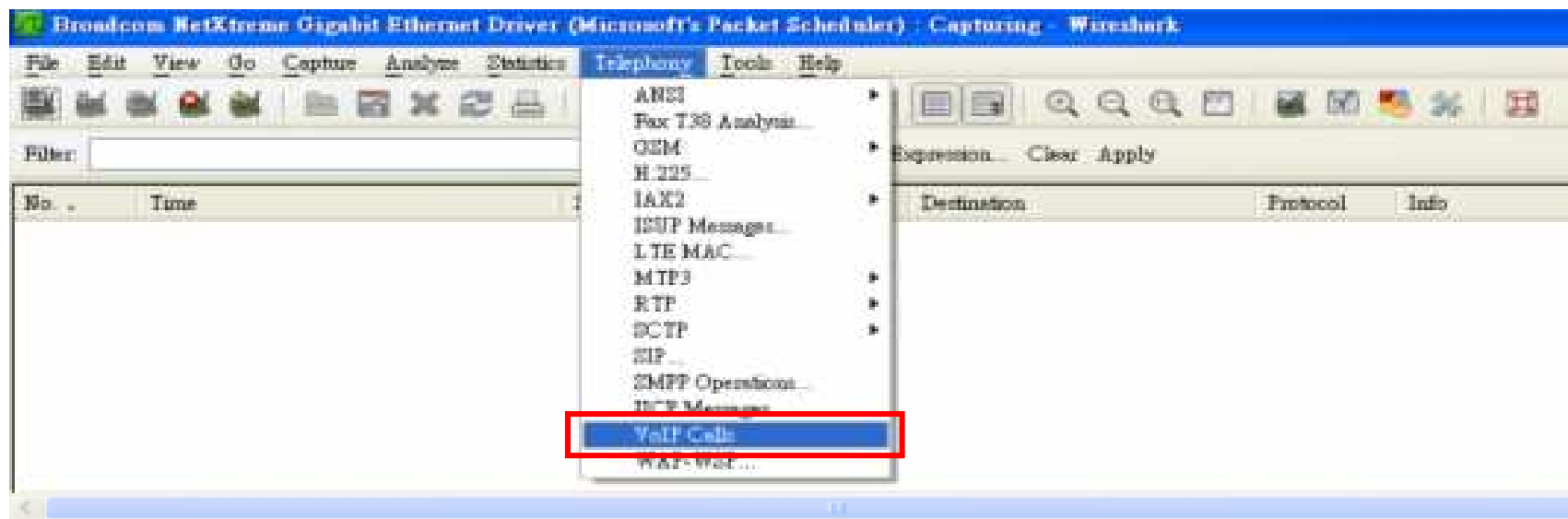
TDE600 IPCEMPR IP Address

Wireshark VoIP 分析 (1/2)

The screenshot shows the Wireshark Network Analyzer interface. The 'Capture' menu is open, and the 'Interfaces...' option is selected. A dialog box titled 'Wireshark: Capture Interfaces' is displayed, showing a list of available network interfaces. The 'Start' button for the 'Broadcom NetXtreme Gigabit Ethernet Driver' is highlighted with a red box. A red arrow points from the 'Interfaces...' menu item to the dialog box.

Description	IP	Packets	Packets/s	Stop
Bluetooth PAN Driver (Microsoft's Packet Scheduler)	unknown	0	0	Start Options Details
Broadcom NetXtreme Gigabit Ethernet Driver (Microsoft's Packet Scheduler)	192.168.0.123	0	0	Start Options Details

Wireshark VoIP 分析 (2/2)



THANK YOU



Panasonic
ideas for life