

## Information Sheet on HKU Campus Network Connection

### (for Staff Purchasing Notebook Computer through the HKU Notebook Computer Programme 2010)


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1. For connecting your computer to the Campus Network, please go through the following steps:

#### **WiFi Network on Campus**


(You can refer to <https://www.hku.hk/cc/home/networks/wifi/Uwifi/> for the following procedures with screen captures.)

#### **A. Configuration Procedure (To be done once only):**

- a. Click Windows **Start** 
- b. Click **Control Panel**
- c. In Control Panel, click **Network and Internet**
- d. Under Network and Internet, click **Network and Sharing Center**
- e. Under the Tasks menu, click **Manage wireless networks**
- f. Under Manage Wireless Networks, click **Add**
- g. Click **Manually create a network profile**
  - o Type in **Universities WiFi** in the **Network name** field ("Universities WiFi" is case-sensitive. Don't just type all letters in lower case or upper case).
  - o Select **WPA-Enterprise** from the **Security type** drop-down menu. (Note: Both WPA-Enterprise and WPA2-Enterprise are supported in HKU. WPA-Enterprise may be more suitable or compatible for users of other Universities.)
  - o Select **TKIP** from **Encryption type** drop-down menu.
  - o Click **Next**.
- h. In the **Manually connected to a wireless network** window,
  - o Select **Change connection settings**.
- i. In the Universities WiFi Wireless Network properties window,
  - o In the **Connection** tab,
  - o **Un-check all boxes**.
- j. Click the **Security** tab
- k. Select **Protected EAP (PEAP)** from the **Choose a network authentication method** drop-down menu

- l. Un-check **Remember my credentials for this connection each time I'm logged on**
- m. Click **Advanced Settings...**
- n. In **Advanced settings**,
  - o Check **Specify authentication mode:**
  - o Select **User or computer authentication**
  - o Click **OK**
- o. Back to Security tab
  - o Click **Settings**
- p. In the **Protected EAP Properties** window,
  - o Check **Validate server certificate**
  - o Check **connect to these servers** and type '802.1x.hku.hk'
  - o Check **Equifax Secure Certificate Authority**
  - o Check **Do not prompt user to authorize new servers or trusted certification authorities**
  - o Select **Secured password (EAP-MSCHAP V2)** from Select Authentication Method drop down menu
  - o Click **Configure**
- q. In the EAP MSCHAPv2 Properties window,
  - o Un-check **Automatically use my Windows logon name and password (and domain if any)**
  - o Click **OK** three times to close the popup windows
  - o Click **Close**

**B. Connection Procedure (Connect to Universities WiFi)**

- a. In Window 7,
  - o Click Windows **Start** 
  - o Click **Control Panel**
  - o Click **Network and Internet**
  - o Click **Network and Sharing Center**
  - o Click **Connect to a network**
  - o Select **Universities WiFi**
  - o Click **Connect**
- b. In Additional logon information is required windows, click **Enter/select additional logon information.**
- c. In the **Network Authentication** window,
  - o Type in your HKU Portal UID in the format of **UID@hku.hk** in the User name field
  - o Type in your HKU Portal PIN in the **Password** field
  - o Click **OK** to logon

- d. In the **Set Network Location** window,
  - o Select **Public network**
  - o In the network location is now Public screen, click **Close**
- e. You are currently connected to **Universities WiFi**


For other WiFi access, please follow the procedures below to configure your PC for connecting at different WiFi locations outside HKU:

| WiFi Locations                          | SSID                           | URL of the Configuration Procedures   |
|---|--------------------------------|---|
| Overseas universities (eduroam members) | <b>eduroam</b>                 | <a href="http://www.hku.hk/cc/home/networks/wifi/eduroam/">http://www.hku.hk/cc/home/networks/wifi/eduroam/</a>   |
| PCCW hotspots in town                   | <b>Universities via PCCW</b>   | <a href="http://www.hku.hk/cc/home/networks/wifi/pccwwifi/">http://www.hku.hk/cc/home/networks/wifi/pccwwifi/</a> |
| Y5Zone hotspots in town                 | <b>Universities via Y5ZONE</b> | <a href="http://www.hku.hk/cc/home/networks/wifi/y5zone/">http://www.hku.hk/cc/home/networks/wifi/y5zone/</a>     |

### Wired Network on Campus

For connecting your computer to the Wired Network in the campus, you must **first register the network cards of your notebook computer**. The steps are as follows:

Get the Network Card Address (also called "physical address" or "Ethernet address")

- a. Click **Windows Start** , type "**cmd.exe**" in the Start Search dialog box to get into the black "DOS Command" window.
- b. In the "DOS Command" window, type **ipconfig /all** and press the "**Enter**" key. Scroll to the top of the window. Ignore any sections starting with "Tunnel adapter...". Look for the 12-character string shown as "Physical Address".

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C:\Documents and Settings\operator>ipconfig/all
Windows IP Configuration

Host Name . . . . . : DCT2P2BX
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No

Ethernet adapter Wireless Network Connection:

Connection-specific DNS Suffix . . . . . :
Description . . . . . : Intel(R) PRO/Wireless 2200BG Network
Connection . . . . . :
Physical Address. . . . . : 00-16-6F-94-7E-77
Dhcp Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . . : Yes
IP Address. . . . . : 0.0.0.0
Subnet Mask . . . . . : 0.0.0.0
Default Gateway . . . . . :
DHCP Server . . . . . : 255.255.255.255

Ethernet adapter Local Area Connection:

Media State . . . . . : Media disconnected
Description . . . . . : Broadcom NetXtreme 57xx Gigabit Cont
roller
Physical Address. . . . . : 00-15-C5-00-7F-11

C:\Documents and Settings\operator>
  
```

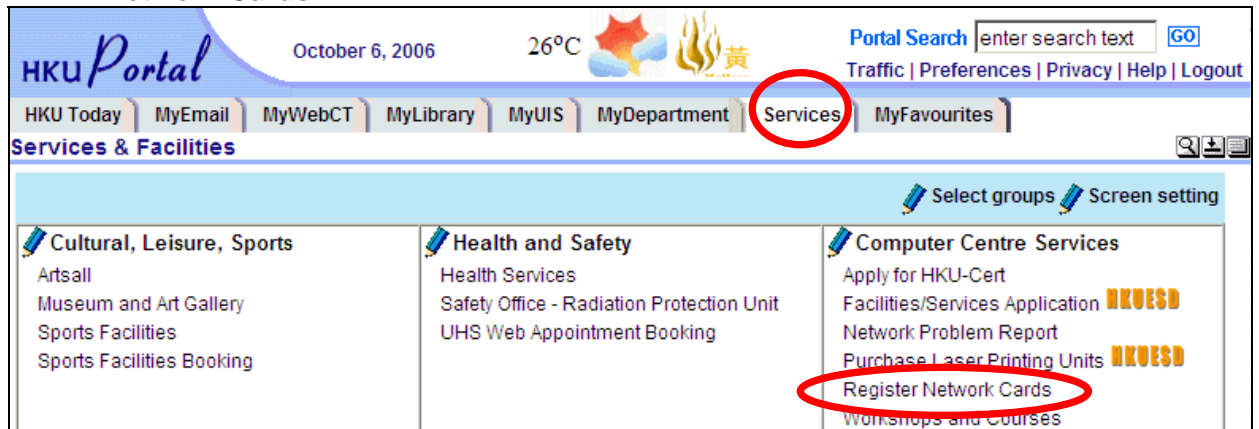
← Physical address for WiFi wireless network card

← Physical address for network card for local area connection (i.e. wired connection)

### Register the Network Card Address via HKU Portal

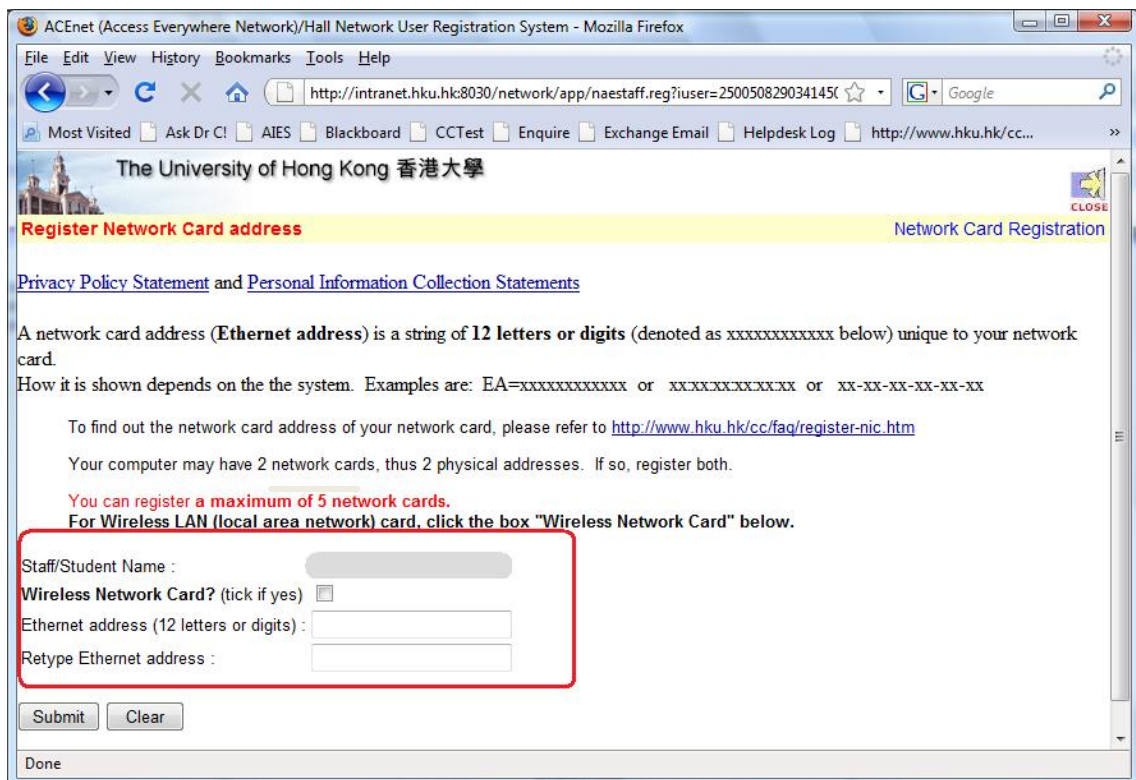
- c. **Use a computer which is already connected to the network** to login HKU Portal at <https://hkuportal.hku.hk>.

- d. Click the tab "Services" → under "Computer Centre Services", click "Register Network Cards".



- e. In the pop-up window, click the link "Register your Network Card address". (Usually your notebook computer has 2 network cards and you should do this twice, i.e. for both WiFi wireless network card AND wired network card.)

- f. Fill in the registration form as below.



- g. For registration of WiFi wireless network card, please also tick the box below your name.
- h. Fill in the Ethernet address (12 letters or digits) of your network card or wireless network card. Retype the Ethernet address to ensure that it is correct.
- i. Then click the "Submit" button.
- j. The registration of a network card takes **20 minutes** to become effective. After 20 minutes, you can connect your notebook computer to the network.

- k. After registration of network cards, plug an Ethernet cable into the network socket and connect it to your computer (disable the WiFi card to avoid dual concurrent connections).

2. **IMPORTANT** - Take the following steps to protect your computer:

a. Windows Update

In **Internet Explorer**, click menu “**Tools**” → “**Windows Update**” and follow the instructions to perform all Critical Windows Update. It will take some time as the file size could be large.

b. Anti-virus software

Buy and install a copy of anti-virus software on your notebook computer.

**BEFORE** installing any anti-virus software, you must uninstall the trial version of anti-virus preloaded in your notebook PC. Please uninstall by the following procedures:

For notebook PCs preloaded with **Norton anti-virus**:

1. Click Start, Search, type Programs and Features, and click Go.
2. Double-click Programs and Features.
3. Select the Norton Internet Security product.
4. Click Uninstall and follow the on-screen instructions.

For notebook PCs preloaded with **McAfee anti-virus**:

1. Click Start, Search, type Programs and Features, and click Go.
2. Double-click Programs and Features.
3. Select the McAfee SecurityCenter product.
4. Click Uninstall and follow the on-screen instructions.

For staff members who are licensed to use a copy of the Sophos Endpoint Security and Control license (Sophos anti-virus software) in their department (ordered through the Computer Centre), they can use the licensed copy at home on a single workstation. The software can be downloaded via **HKU Portal** (click the tab “**Service**” → under “**Computer Centre Services**” click “**Download Sophos Anti-Virus**”). After successful installation, you will see the icon “” at the right of your Windows task-bar. The use of the license is governed by the Sophos end-user license agreement at <http://www.sophos.com/legal/eula.html> and a guide on how to install and use the software can be found at <http://www.hku.hk/cc/faq/virus/sav-install.htm>.

3. The notebook computer you purchased bundles with **NO** software license except the Microsoft Windows 7 license. For the commonly used freeware, you can refer to <http://www.hku.hk/cc/nbprogram/>.

If you have purchased the Microsoft Student Select Office 2010 Standard/Professional Edition package, please follow the guiding steps to complete the installation. Please note that by default, Microsoft Office 2010 will save documents it creates in Office

2007/2010 format (e.g. \*.docx) which cannot be opened by earlier versions of Microsoft Office e.g. Office 2003.

See <http://www.hku.hk/cc/faq/pc/win7.html> on how to change the default file saving format when using Office 2010.

4. You can use the following applications within the Campus Network by your registered network card WITHOUT further login to the Campus Network:

- E-mail service (POP3/IMAP)
- WWW (http/https) (browsing the Internet using default TCP ports: 80/443)
- Streaming media (Microsoft Media Player & Real Player)
- FTP (file transfer)
- ICQ connection for intra-campus file exchanges (default TCP ports: 6667/5190)
- MSN Messenger connection (default TCP port: 1863)
- Yahoo Messenger connection (default TCP port: 5050)
- VPN connection (default TCP port: 1723/UDP port: 500)
- Skype connection (default TCP port: 80/443)

5. If you wish to use other kinds of network applications, you need to login HKUVPN (HKU Virtual Private Network). Please follow the steps in <http://www.hku.hk/cc/services/vpn/win7/> to create an HKUVPN icon on your computer desktop.

Accessing HKUVPN requires your **Network Password (not HKU Portal PIN)**. The Network Password is different from the HKU Portal PIN. You can set your Network Password via HKU Portal at <https://hkuportal.hku.hk> (click the tab “**MyFavourites**” → under “Portal Utilities” click “**Set Network Password**”).

After that, click the “HKUVPN” icon and enter your HKU Portal UID (user name) and Network Password to login HKUVPN.

For the coverage of ACEnet (Access Everywhere Network) and WiFi of the University campus network, please refer to the web page at <http://www.hku.hk/cc/services/acenet/>.

6. Seeking Help

For hardware problems and warranty service of your notebook computer, please contact the supplier of your notebook computer and their contact information can be found at <http://www.hku.hk/cc/nbprogram/>.

For questions on connecting to the Campus Network, please mail to [ccbox@hku.hk](mailto:ccbox@hku.hk) or visit the Computer Centre Help Desk at Room 104, Run Run Shaw Building, or call the Help Desk hotline at 2859 2480 (opening hours: 9:00 a.m. to 5:30 p.m. on Monday to Friday and 9:00 a.m. to 12:30 p.m. on Saturday).