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中華基督教會扶輪中學

CCC ROTARY SECONDARY SCHOOL



157 Lung Cheung Road, Kowloon, Hong Kong.
香港九龍龍翔道157號
電話：(852) 2338 1971 傳真：(852) 2338 3748

最新消息及活動花絮

歡迎欣賞 學校介紹

職業健康心意卡設計比賽2014 ... [相關連結](#)

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本校已參加教育局「優化學校投訴管理先導計劃」，有關的「處理學校投訴—校本機制及程序」由2014年1月起實行。.....[詳情](#)

每日宣佈

昔日宣佈

5月28日 (星期四)

1. 本年度中六畢業感恩會定於明天即5月29日 (星期五) 下午舉行，全體老師均需依照上課日時間回校。請中六班主任再次提醒領獎的畢業同學於明天上午8時到禮堂向鄭雪梅副校長報到及參加頒獎禮綵排；其餘中六級同學則需於上午10時正返抵學校參加畢業感恩會進場儀式綵排，中六級級主任請於上午8時到禮堂協助，為領獎學生點名，中六級班主任則請於上午10時起陪同學

PROJECT WECAN
本校獲選參與學校起動計劃
獲 \$870,000 贊助

本校綠化天台及再生能源計劃
獲環境保護署撥款 \$744,000
建造太陽能綠化天台

電子學習學校支援計劃
本校獲選為 **WiFi100**
全港首100間先鋒學校
獲 \$442,400 贊助

Paul Yeung



WiFi 900

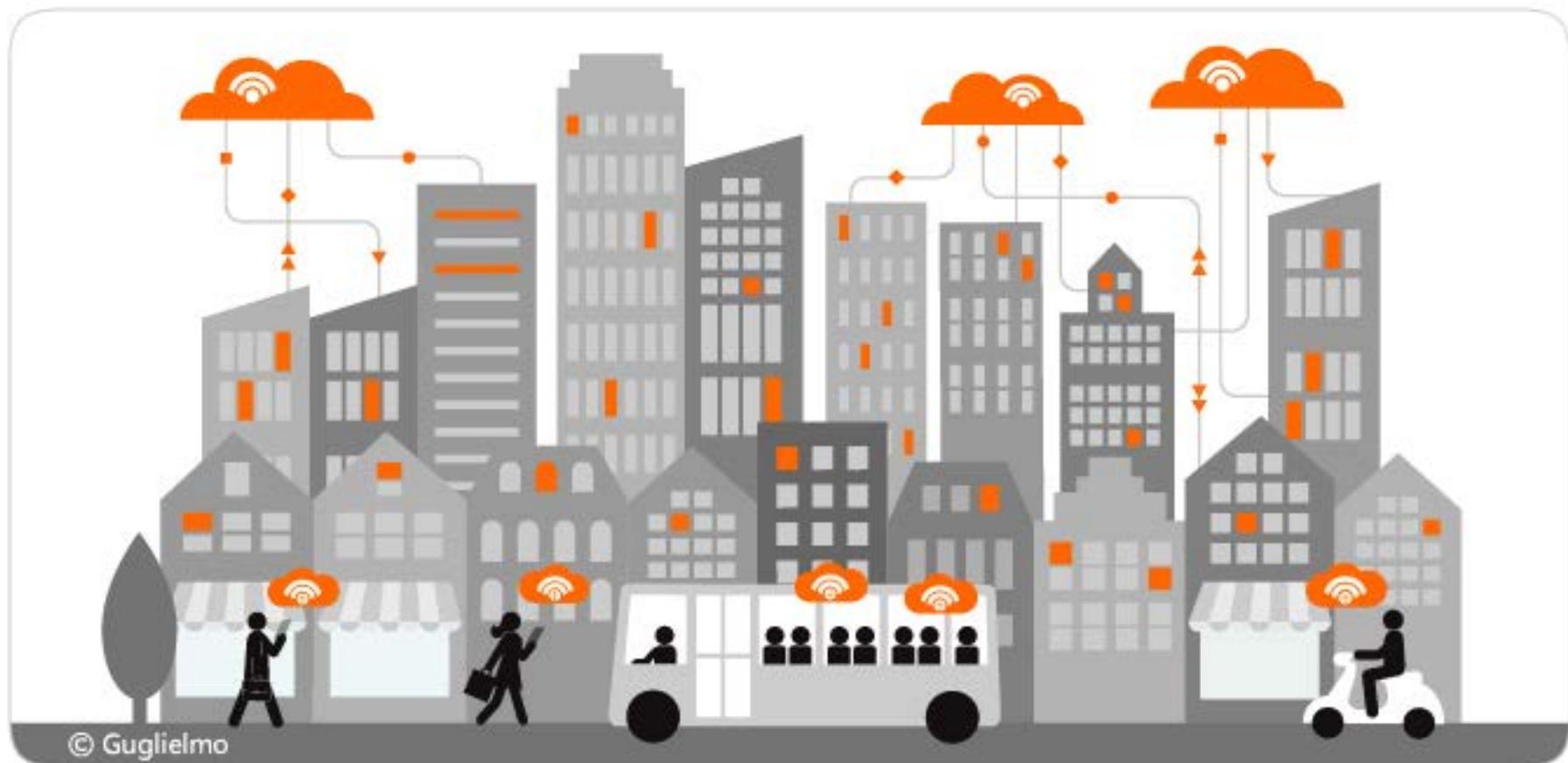


WiFi 900將在未來三個學年，分階段提升校內無線網絡基建

2015-2016學年：約400間學校參與

2016-2017學年：約300間學校參與

2017-2018學年：約200間學校參與



資料意念：

參考2015年5月22日 信報香港資訊科技商會會長黃岳永先生的科網人語 < WiFi 900 學校購買錦囊 >

startupbeat.hkej.com/?p=18086

信報 創業文章 FINTECH 聯絡我們

StartUpBe

DONT MISS

WiFi 900學校購買錦囊（黃岳永）

By StartupBeat on May 22, 2015

Like Share Be the first of your friends to like this.

本文作者黃岳永為香港資訊科技商會會長，為《信報》撰寫專欄「科網人語」。



OpenClips圖片

很高興見到政府終於承擔起提升全港學校無線網絡基建的責任，去年成功推出WiFi 100計劃（為100所公營學校提供資助），雖然當中遇到一些問題，但各方積極提供協助下，相信最終能夠解決，這是香港推行電子學習的一個重要里程碑。緊接的WiFi 900（涵蓋其餘900多家學校）將在未來三個學年，分階段擴升校內無線網絡基建；按照計劃安排，

資料意念：

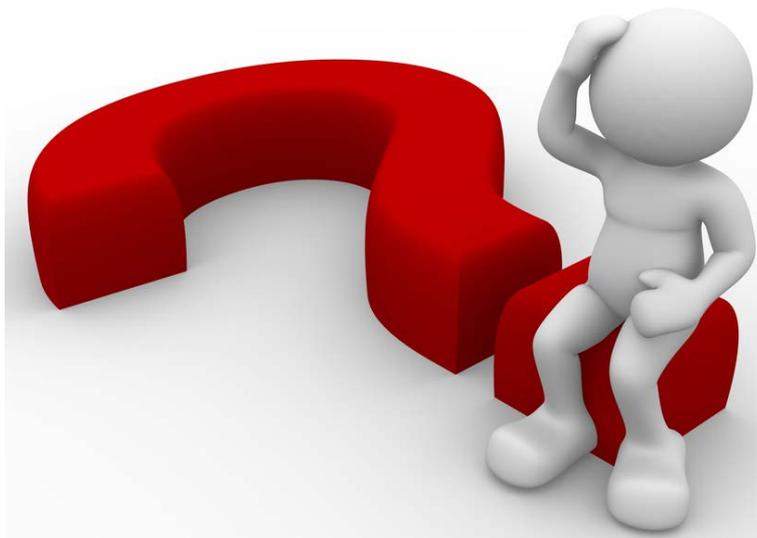
參考**2015年5月22日** 信報香港資訊科技商會會長黃岳永先生的科網人語〈**WiFi 900** 學校購買錦囊〉

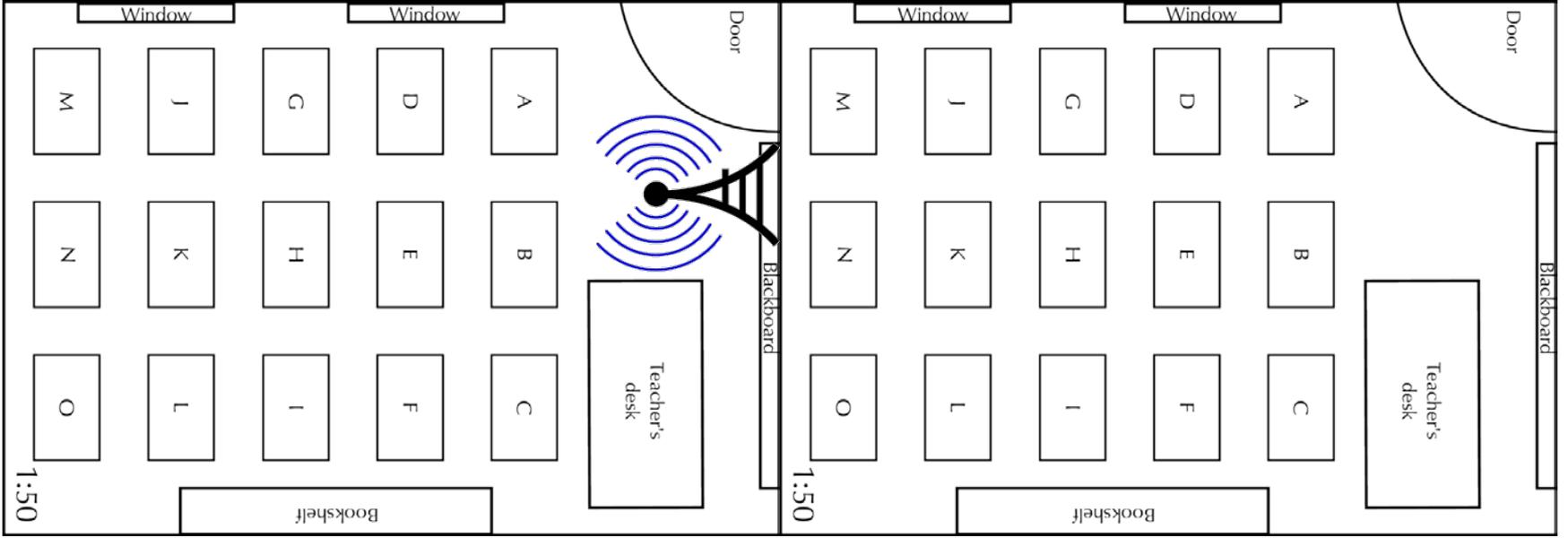
須支援**5G**規格，無線網路基地台（**AP**）之三點基本要求：

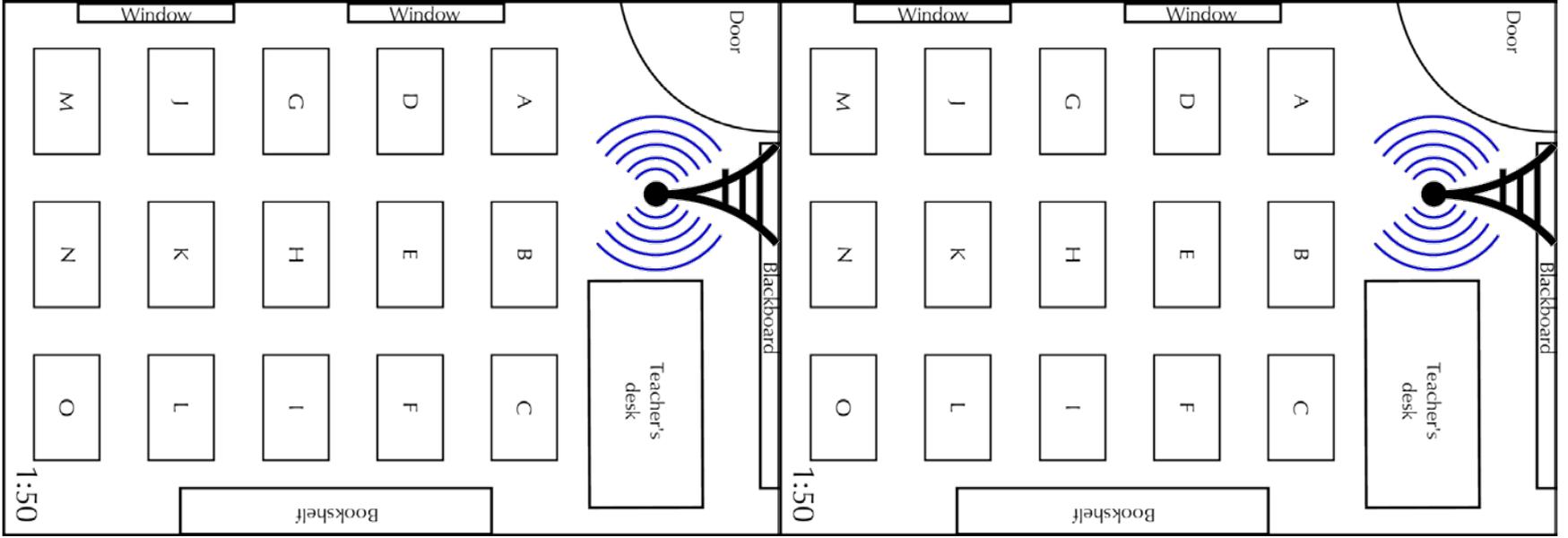
- 1.必須支援IEEE 802.11ac無線局域網通訊標準，即俗稱的5G（第5代）WiFi；**
- 2.必須附有由通訊事務管理局發出的證書；**
- 3.學校亦最好預留時間測試AP表現，再作出購買決定。**

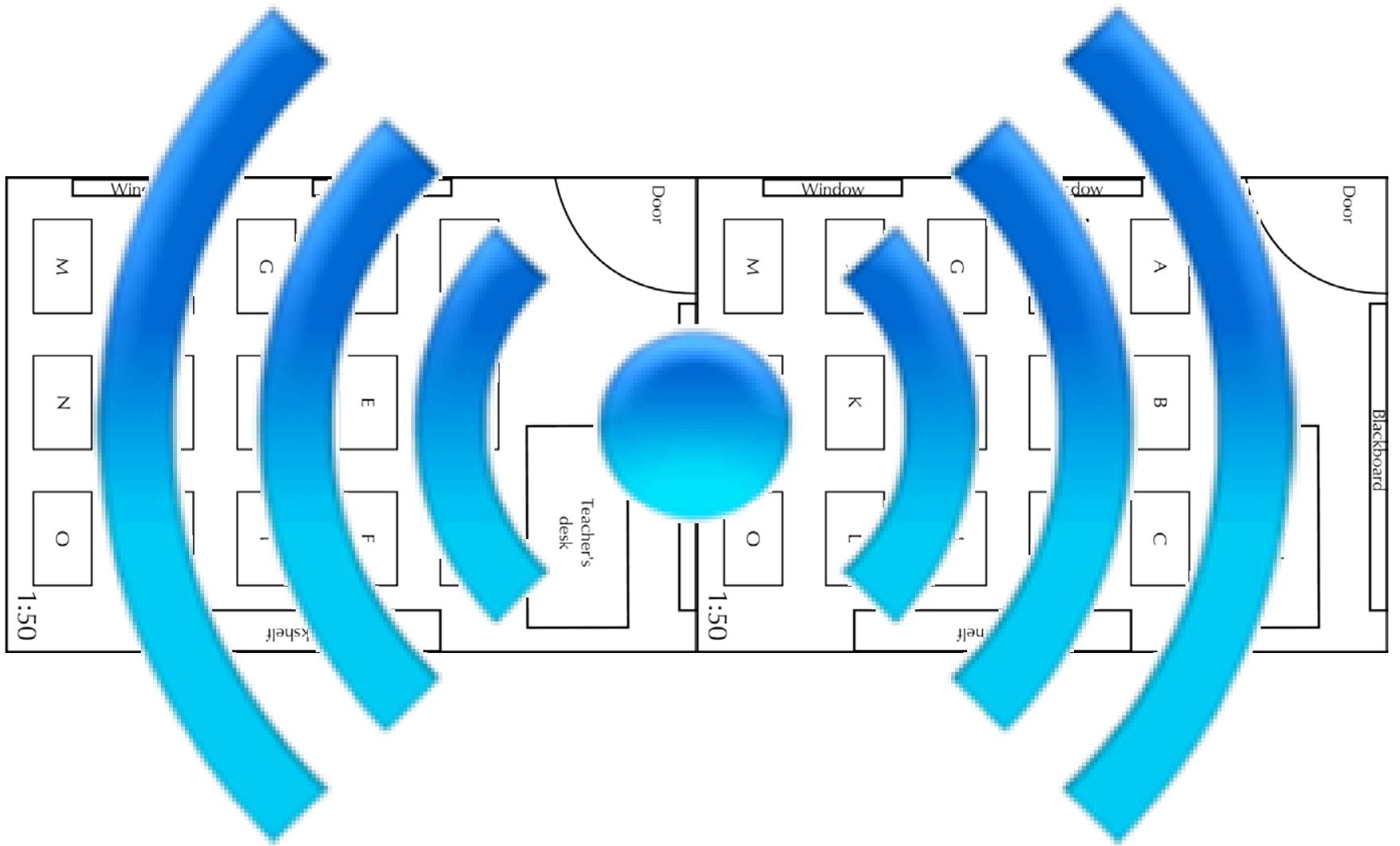


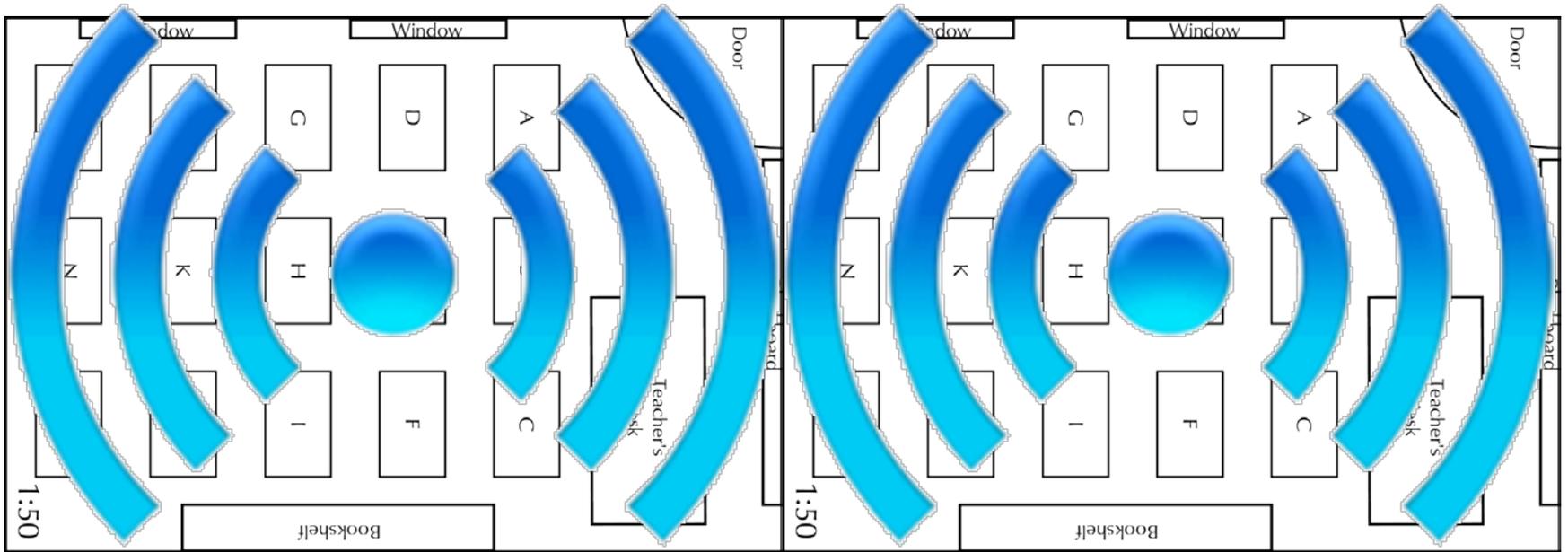
建議一班房一無線接入點（**AP**）之布局：
根據**WiFi 100**經驗，一個班房一隻**AP**的布局對**WiFi**的
穩定性十分重要，兩個班房共用一隻**AP**的布局已經證
實是不可行的。

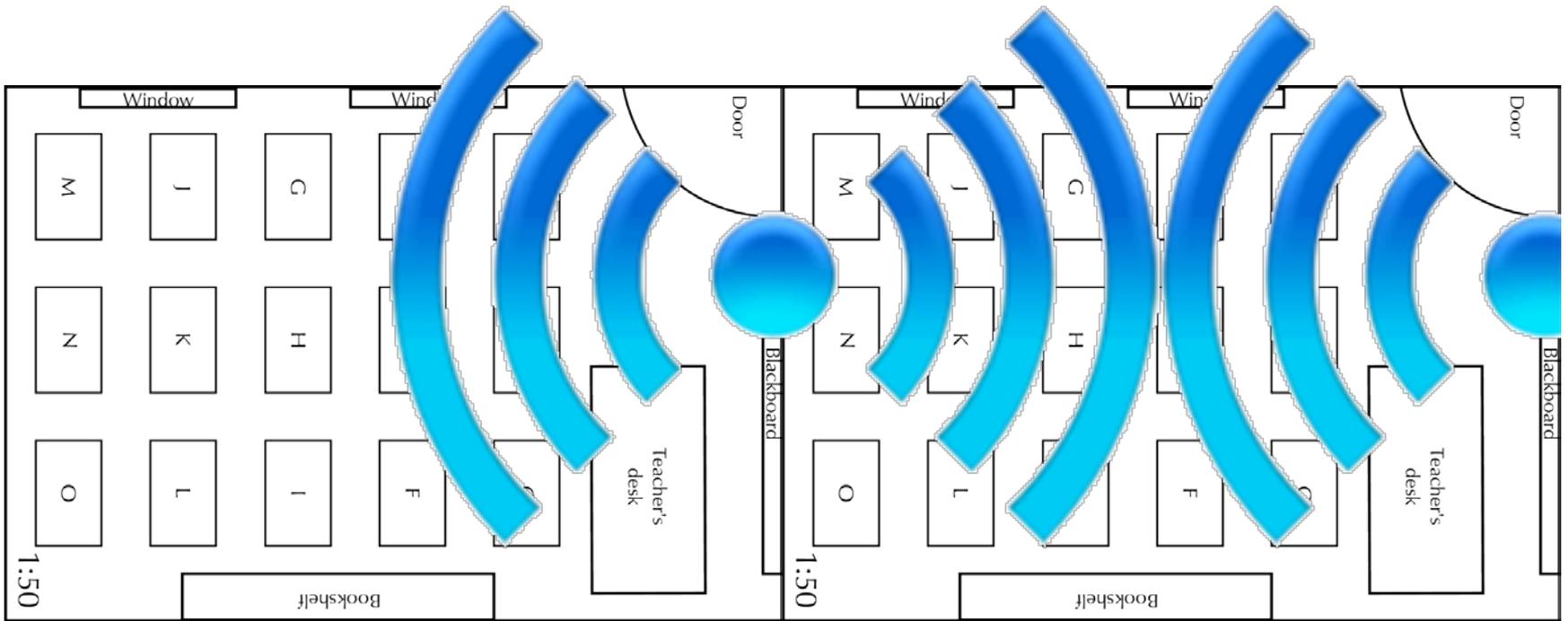






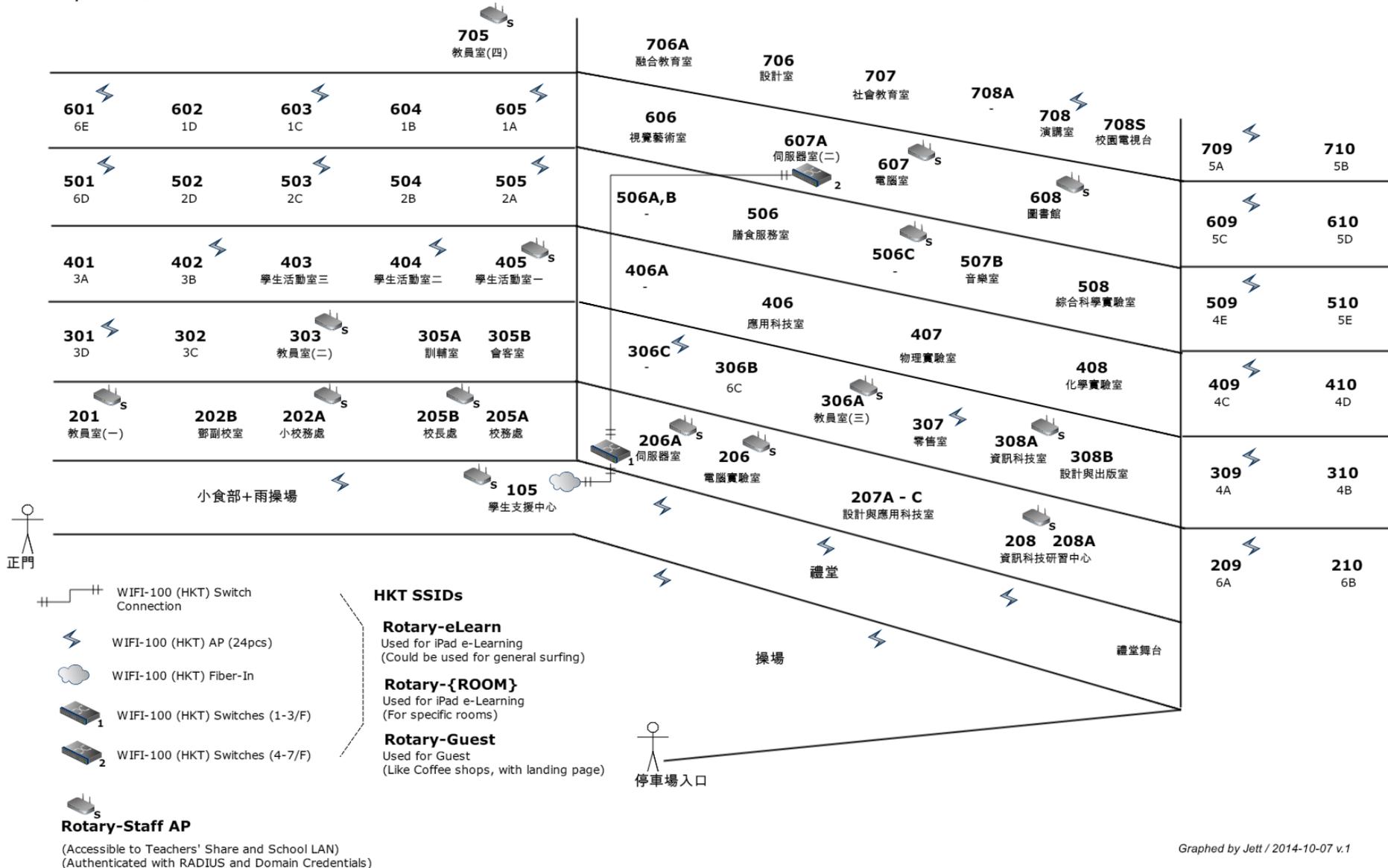






CCC ROTARY SECONDARY SCHOOL WIFI MAP (Final)

Proposed at 2014-10-07



供應商的有關經驗：

選擇有經驗和信譽的供應商是極度重要的，而具有**WiFi 100**或大型系統經驗的供應商，會比較清楚租賃服務模式。

學校亦應參考供應商在**WiFi 100**計劃中之表現。

拉線工程所用的線：

招標或邀請報價文件上，須清楚列明用作拉線工程的線是屬於供應商抑或學校，以避免不必要爭拗。因為從租賃服務的角度看，學校方面只是租用一些服務，而不是那些線的擁有者。故學校方面若無清楚註明，供應商理論上是那些線的擁有者。

“Regarding the enhancement of WiFi infrastructure, we would like to hire a contractor to design, build, operate and maintain the whole infrastructure; and to pay for the service by subscription thereafter, through a subscription model.”



學校

雲端平台

互聯網

Access Point



E-learning
Application
Server

PoE
Switch



Router &
Firewall

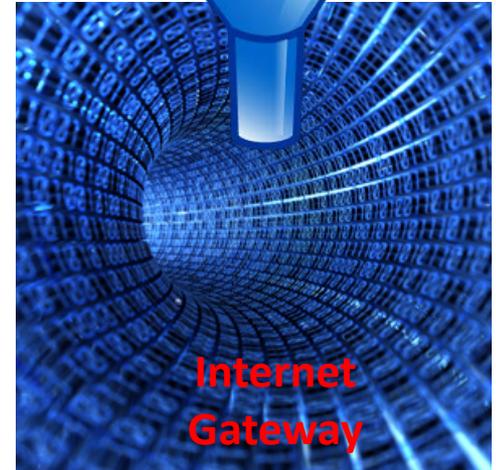


Wi-Fi Platform



網絡監控中心

Filtering



Internet
Gateway



學校

雲端平台

互聯網

Access Point



E-learning Application Server

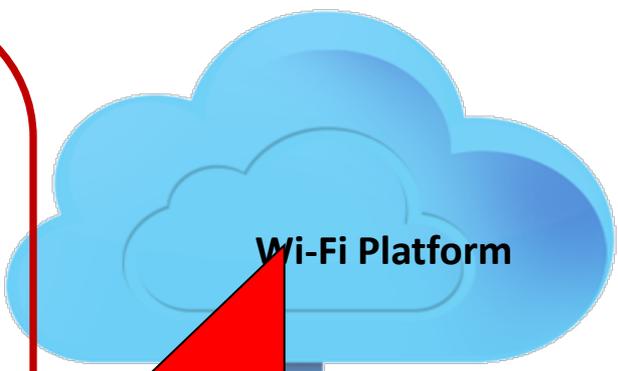
PoE Switch



Router & Firewall



Wi-Fi Platform



Filtering



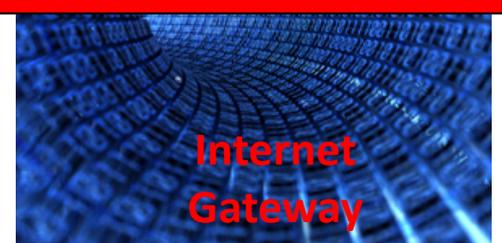
Wifi 900



教師 / 學生 電子平板



網絡監控中心



Internet Gateway

學校

雲端平台

互聯網

Access Point



E-learning
Application
Server

PoE
Switch



Router &
Firewall

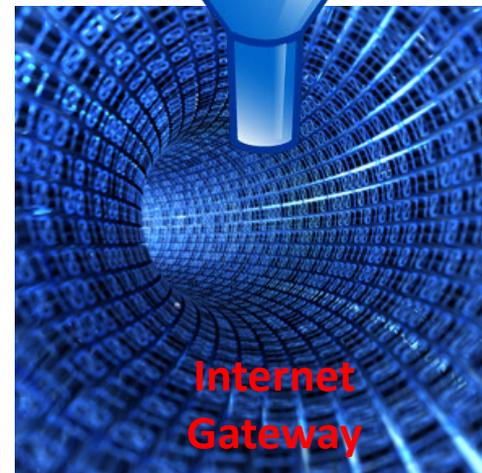


Wi-Fi Platform

Filtering



網絡監控中心



Internet
Gateway



Wifi 900

用戶要求範本：

基本上，教育局提供的**WiFi**規格已能滿足學校的最基本需要。

學校如有特別要求，只須在「用戶要求範本」加上自身的要求便可。

除非學校對**WiFi**規格極為理解，

否則不建議閉門造車來自行制定一份與眾不同的**WiFi**規格。

主頁

最新消息

有關教育局

教育制度及政策

課程發展

學生及家長相關

教師相關

學校行政及管理

公共及行政相關

公開資料

聯絡我們



列印

第四個資訊科技教育策略 - 加強學校的無線網絡基礎設施

[主頁](#) | [最新消息](#) | [使用撥款](#) | [專業發展](#) | [技術顧問服務](#) | [問與答](#) | [查詢](#)

技術顧問服務

為協助學校在 2015/16 學年開始建立所需的無線網絡環境，教育局會為學校提供檢視清單及用戶要求範本，讓學校在開展無線網絡服務的招標工作時作為參考。資訊科技教育組亦會成立技術顧問小組，為學校提供技術顧問意見，包括審閱建議書和監察服務供應商的工程進度等。

下列時間表顯示本計劃的整體進度供學校參考。如需技術協助，學校可聯絡技術顧問。

| 日期 | 工序 |
|------|-------------------|
| 四至六月 | 預備用戶要求文件及建立技術規格文件 |
| 六至七月 | 學校進行採購程序及審核建議書 |
| 七月 | 學校選出承辦商提供無線網絡服務 |
| 七至八月 | 承辦商進行工程 |

申請技術顧問服務

如學校需要技術顧問服務，請向申請表上列出的技術顧問小組將按學校遞交申請表次序安排服務優先。

參考文件 (只有英文版)

- 服務申請表
- 用戶要求檢查清單
- 用戶要求範本
- 用戶測試範本
- 系統測試範本

可接受使用策略Acceptable Use Policy (AUP) 學校範例:

- 香港真光中學
- 佐敦谷聖若瑟天主教小學
- 聖士提反書院



PART X – SAMPLE WiFi REQUIREMENTS SPECIFICATION

This sample is provided for schools' reference in conducting the WiFi 900 project. Schools are advised to adapt the content according to their school context.

1. Introduction

The Contractor is invited to

- Build up a WiFi network in <school> (The School); and
- Provide and maintain a WiFi service through subscription mode.

2. Background

The School will **enhance / top up** the IT infrastructure so as to set up the necessary WiFi environment in the school premises (full WiFi coverage in ALL classrooms) for supporting e-learning in class. Regarding the enhancement of WiFi infrastructure, we would like to hire a contractor to design, build, operate and maintain the whole infrastructure; and to pay for the service by subscription thereafter, through a **subscription** model.

3. User Requirements

This section specifies the user requirements of the School of the WiFi network. The Contractor shall be capable of supporting the requirements

WiFi 900 Technical Advisory Service

Request Form

To: Project Manager, IT in Education Section, EDB

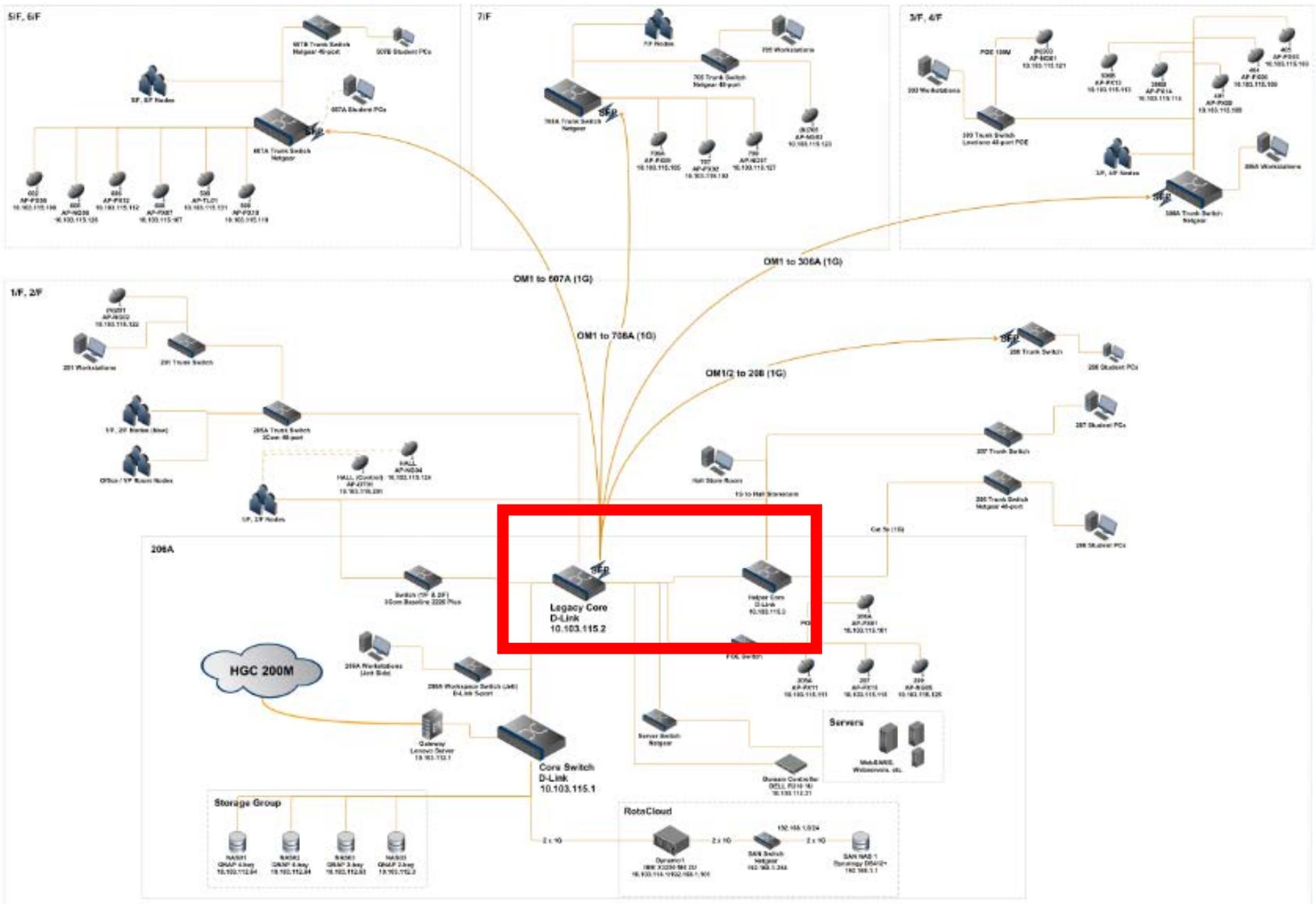
Fax: 2382 4403

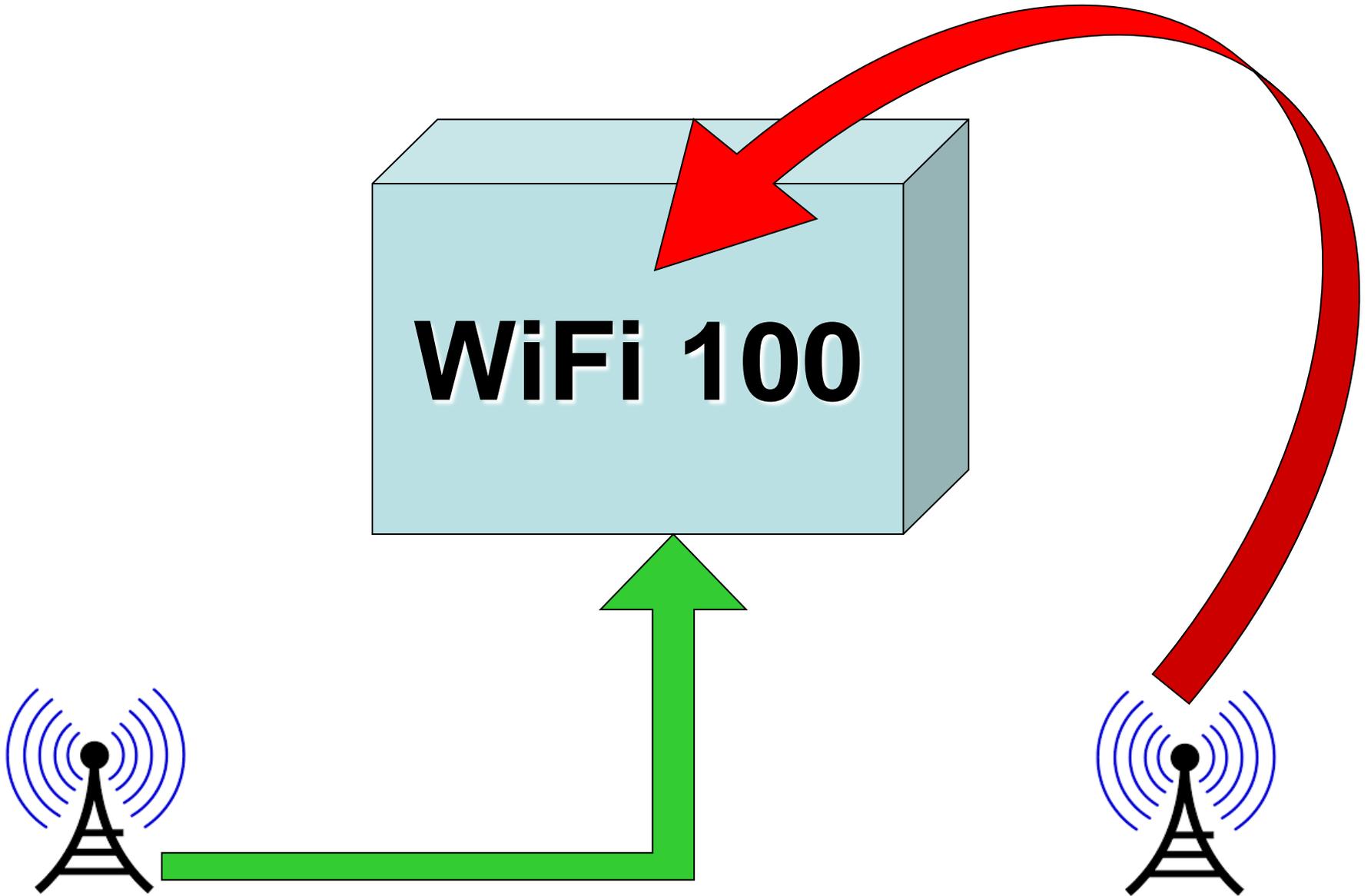
Email: ite@edb.gov.hk

Date: <date>

Our school would like to request for the technical advisory service. Details are as follows. We understand that our request will be served on first-come-first-served basis.

| | | | | | |
|---------------------------------|--|--|---|--|--|
| Name of school | | | | | |
| School Code | | | | | |
| Area | <input type="checkbox"/> Hong Kong | | <input type="checkbox"/> Kowloon | | |
| | <input type="checkbox"/> New Territories - East | | <input type="checkbox"/> New Territories - West | | |
| Name and post of contact person | | | | | |
| Telephone number | | | | | |
| Email | | | | | |
| Areas of support | <input type="checkbox"/> Technical specification | | | | |
| | <input type="checkbox"/> Project Management on WiFi construction | | | | |
| | <input type="checkbox"/> User Acceptance Test | | | | |
| | <input type="checkbox"/> Others | | | | |





鋪設光纖方案簡單可分為二種：

1. 由學校法團 / 學校去信提出申請
2. 由電訊公司向學校及地政署提出申請

由學校法團 / 學校主動，要簽名同意及遞交資料，正常一個月內工程部開始聯絡學校及地政署。

由電訊商主動提出，要確定以下因素才會提出，包括：街線覆蓋面、成本問題、技術問題、學校需求等。

PART X – WiFi REQUIREMENTS SPECIFICATION

1. Introduction

The Contractor is invited to

- Build up a WiFi network in **<The Church of Christ In China Rotary Secondary School>** (The School); and
- Provide and maintain a WiFi service through subscription mode.

2. Background

The School has been selected to be one of the successful applicants under the Support Scheme for e-Learning in Schools to **enhance** or **top up** the IT infrastructure so as to set up the necessary WiFi environment in the school premises (full WiFi coverage in ALL classrooms) for use of e-textbooks in class and to acquire sufficient mobile computing devices for use in class by students. **Regarding the enhancement of WiFi infrastructure, we would like to hire a contractor to design, build, operate and maintain the whole infrastructure; and to pay for the service by subscription thereafter, through a **subscription** model.**

3.1 Standard Provision (to be amended according to the School's requirement)

- WiFi Internet accessing using IEEE 802.11 a/b/g/n (**IEEE 802.11 a/b/g/n/ac**) ???? network in a standard classroom. The minimum number of classrooms to be covered shall be at least equal to the number of approved classes for the **2014/15** school year.

- **Provide at least 200Mbps Internet connection at school and allowing upgrade to 1Gbps. (Broadband Service) ????**
- **Existing Broadband will/will not be used to support the Wi-Fi network. ????**
- Number of concurrent connections shall commensurate with the maximum number of students in a class (say ???? 26-36) with at least 1 (1-1.5 ????) Mbps upload / download bandwidth per connection for browsing web pages.

10. Briefing Session/Site Visit

10.1 To facilitate the Service Provider to propose the quotation, a briefing session is arranged as follows. The Service Provider must attend the briefing session and carry out WiFi survey with appropriate tools.

Date: <date>

Time: <time>

Venue: the School

PART Y - PRICE SCHEDULE

1. Price details for Standard Provision

| Standard Provision WiFi Service Subscription (Requirement as stated in Part X) | 3 years | | 5 years | | School's choice on confirmation |
|--|----------------------|---------------------|----------------------|---------------------|--|
| | Monthly price | Annual price | Monthly price | Annual price | |
| <ul style="list-style-type: none"> ● Classroom 209, 210, 301, 302, 306B, 306C, 309, 310, 401, 402, 409, 410, 501-505, 509, 510, 601-605, 609, 610, 709, 710 ● Total 28 classrooms The WiFi System shall support 40 concurrent connections (each room) at least | | | | | |
| Total in HK\$ | | | | | |

3. Price details for Add-on Services (Offer will be considered on itemized basis)

⊕

| Add-on Service | | 3 years | | 5 years | | School's choice on confirmation |
|-------------------------------|---|--------------------------|-------------------------|--------------------------|-------------------------|---------------------------------|
| Item | Description | Additional monthly price | Additional annual price | Additional monthly price | Additional annual price | |
| WiFi Coverage for other areas | <ul style="list-style-type: none"> ● 禮堂 ● The WiFi System shall support 150 concurrent connections at least | | | | | |
| | <ul style="list-style-type: none"> ● 兩操場 ● The WiFi System shall | | | | | |

□

| Add-on Service | | 3 years | | 5 years | | School's choice on confirmation |
|-----------------------|---|---------------------------------|--------------------------------|---------------------------------|--------------------------------|--|
| Item | Description | Additional monthly price | Additional annual price | Additional monthly price | Additional annual price | |
| | <ul style="list-style-type: none"> ● RM206 ● The WiFi System shall support 40 concurrent connections at least | | | | | |
| | <ul style="list-style-type: none"> ● RM207 ● The WiFi System shall support 40 concurrent connections at least | | | | | |
| | <ul style="list-style-type: none"> ● RM208 ● The WiFi | | | | | |

4. Details of equipment to be used in the Buildup of WiFi network in the School

| Items | Quantity | Model |
|-------------------------|-----------------|--------------|
| WiFi Controllers | | |
| Access Points | | |
| Core Switch | | |
| Access PoE Switches | | |
| LAN Cables | | |
| Others (please specify) | | |

| | | |
|----------|---|--|
| 學校招標編號 | : | |
| 學校名稱 | : | |
| 招標日期 | : | |
| 截標日期 | : | |
| 批核日期 | : | |
| 投標書的有效期至 | : | |

| 項目編號 | 服務說明 | 投標機構就每一項目提出的價格總額 | | | | |
|------|--|------------------|--|--|--|--|
| | | 投標機構名稱 | | | | |
| | | | | | | |
| 1 | 平板電腦： <ul style="list-style-type: none"> ● 操作系統 - iOS7 或以上 ● 晶片 - A7 晶片64 位元架構處理器 ● 顯示器 - 9.7 吋Multi-Touch 顯示器(2048 x 1536解像度) 及防指紋的抗脂塗層 ● 無線及流動網絡 - Wi-Fi(802.11a/b/g/n)；雙頻道(2.4GHz和 5GHz) 及 MIMO 技術 ● 鏡頭-120 萬像素照片或以上，720p HD 影片或以上，透過 Wi-Fi 或流動網絡進行視像通話 ● 內置揚聲器 | | | | | |
| | 提供機背刻上校名服務 | | | | | |
| | a) 16GB | | | | | |
| | b) 32GB | | | | | |
| | 保護外殼：保護外殼可支承平板電腦水平或垂直使用 | | | | | |
| 總額 | a) 16GB | | | | | |
| | b) 32GB | | | | | |



購買你的 iPad Air 2

立即訂購，可享送貨服務。

觀看圖集 

① 選擇外觀：



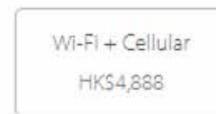
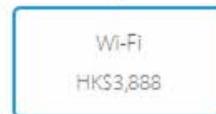
② 選擇儲存容量：

你需要多少儲存空間？ 



③ 選擇連接功能：

有何分別？ 



1 選擇外觀：



太空灰
HK\$3,088 起



銀色
HK\$3,088 起

2 選擇型號

Wi-Fi

透過 Wi-Fi 網絡連接互聯網

16GB

HK\$3,088

預計出貨時間：
1 個工作天

32GB

HK\$3,488

預計出貨時間：
1 個工作天

Wi-Fi + Cellular



Smartone

透過 Wi-Fi 和高速流動數據網絡連接互聯網¹。

16GB

HK\$4,088

預計出貨時間：
1 個工作天

32GB

HK\$4,488

預計出貨時間：
1 個工作天

AppleCare+ 全方位服務計劃 適用於 iPad

每部 iPad 均隨附一年硬件維修的**有限保障**以及長達 90 日的**免費電話技術支援**。適用於 iPad 的 AppleCare+ 全方位服務計劃，將你的保障延長至自原先購買 iPad 的日期起計的兩年，並能享有多達兩次意外損壞的保障服務，每次收取 HK\$348 服務費¹。



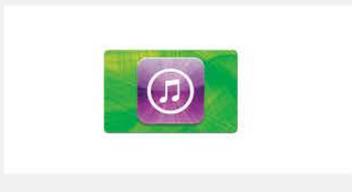
將服務及專家電話技術支援的保障期限延長至兩年



一站式技術支援

因為 Apple 同時設計 iPad、iOS 及各種應用程式，所以 iPad 得以成為一個真正的整合型系統。而且只有 AppleCare+ 全方位服務計劃可以提供來自 Apple 專家的一站式服務與支援，大部分問題只需一個電話即可解決²。

- 直接聯絡 Apple 專家
- 自攜維修³：你可以將 iPad 帶到 Apple Retail Store 或其他 Apple 授權維修中心
- 特快更換服務¹



[Store](#)[Mac](#)[iPhone](#)[Watch](#)[iPad](#)[iPod](#)[iTunes](#)[Support](#)

Business & Education Support

[Welcome](#)[Deployment Overview](#)

Apple Deployment Programs

[Device Enrollment Program](#)[Volume Purchase Program](#)[Apple ID for Students](#)

Learn more about

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Volume Purchase Program

The Volume Purchase Program (VPP) makes it simple to find, buy, and distribute apps and content to your users and groups who use Apple devices. VPP provides flexible distribution options, so you can assign content to your users using OS X Server's Profile Manager service or third-party MDM solutions, or distribute content directly to your users via redeemable codes.

The Volume Purchase Program is available in [these countries or regions](#).

Guides



[Volume Purchase Program overview](#)

The Volume Purchase Program (VPP) makes it simple to find, buy, and distribute apps and books to your users and groups who use Apple devices.



[Volume Purchase Program Guide for Business](#)

The Volume Purchase Program (VPP) makes it simple to find, buy, and distribute apps and select books in bulk for your organization.



[Volume Purchase Program Guide for Education](#)

Get your organization started on purchasing and distributing apps and books in volume.

Payment & Purchases



[Volume Purchase Program payment methods](#)

Businesses or educational institutions that are part of the Apple Volume Purchase Program (VPP) can make volume purchases with the payment methods shown below. VPP customers can't use Apple Gift ...



[Where to buy Volume Purchase Program \(VPP\) Credit](#)

Businesses and educational institutions that are enrolled in the Volume Purchase Program (VPP) can use VPP Credit as a way to buy apps or books.



[Get Volume Purchase Program \(VPP\) Credit securely from Apple](#)



Apple Configurator



SUPERVIS

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USB C

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 **General**
Mandatory

 **Passcode**
Not configured

 **Restrictions**
Not configured

 **Global HTTP Proxy**
Not configured

 **Wi-Fi**
1 Payload Configured

 **VPN**
Not configured

 **Mail**
Not configured

 **Exchange ActiveSync**
Not configured

 **LDAP**
Not configured

 **Calendar**

Wi-Fi



Service Set Identifier (SSID)

Identification of the wireless network to connect to

OrewaCollege

Hidden Network

Enable if target network is not open or broadcasting

Auto Join

Automatically Join this wireless Network

Proxy Setup

Configures proxies to be used with this network.

Manual

Server and Port

Hostname or IP address, and port number for the proxy server

proxy.orewa.local

: 8080

Authentication

Username used to connect to the proxy

r.wells

Password

Password used to authenticate with the proxy

Cancel

Save

標書

 School Floorplan

 tedner邀請信

 tender內容

 防止性騷擾政策

 信封

 強制性投標規定

 標書回郵信封面



**KEEP
CALM
AND
GOOD
LUCK**