

澳門培正中學「2014-2015 學年資訊科技設備項目」購置標書

報價項目	
A1. Campus WiFi Enhancement for BYOD	見附件 A1
A2. 無盤開機系統	見附件 A2
A3. 添置手提電腦(請於 6 月 5 日至 6 日期間在本校網頁下載標書 www.puiching.edu.mo)	

報價注意事項：

- 一、有效期應超越 **2014 年 9 月 1 日**
- 二、請註明安裝、保養方法及期限
- 三、請列明付款方式
- 四、諮詢期由 **4 月 1 日至 4 月 5 日** 上午 10:00-12:00、下午 2:30-4:30，電 28529333 內線 243 盧先生
- 五、報價單請用澳門幣作貨幣單位
- 六、以上各項目可以個別報價，請列明是否可作部份項目購置
- 七、可提供同類型產品。
- 八、報價單請於 **2014 年 4 月 22 日中午 12 時前**，密封後交總務處 郭敬文副校長收，信封面請寫上“**2014-2015 學年資訊科技教育項目標書**”

附件 A1

A1. Campus WiFi Enhancement for BYOD

目的：

為配合移動學習平台發展，提升連線的速度，讓學生、教師及職員利用手提電腦 / PDA / 手機 上網獲取資訊，並針對學生 BYOD(Bring your own device)應付移動學習教室對無線上網在速度及數量上的需求。

設備內容：

1. 網絡主幹(包括無線)現況簡介

Hardware Platform	Device Purpose	Software Version	Units
ASA5510	Gateway	asa823-k8.bin, asdm-634.bin	1
WS-C3750G-12S-S	Core-Stacked	C3750-IPSERVICESK9-M, Version 12.2(46)SE	2
WS-C3750G-XXTS-S1U	Core-Stacked	C3750-IPSERVICESK9-M, Version 12.2(46)SE	2
WS-C2960G-48TC-L	Access switch (Gigabit)	C2960-LANBASE-M, 12.2(35)SE5	5
WS-C2960-XXTT-L	Access switch (FastEth)	C2960-LANBASE-M, 12.2(35)SE5	7
WS-C2960-24PC-L	Access switch (Fa,PoE)	C2960-LANBASE-M, 12.2(44)SE3	7
AIR-WLC4402-50-K9	Wireless Controller	6.0.196.0	3
LAP1131AG	Lightweight AP	AIR-LAP1131AG-N-K9	47
LAP1242AG	Lightweight AP	AIR-LAP1242AG-N-K9	71
LAP1310G	Lightweight AP	AIR-LAP1310G-A-K9R	2

* 若對以上設備不明白，請諮詢本校的聯絡人 (盧先生)。

報價項目：

ITEM	PRODUCT DESCRIPTION	UNIT PRICE (MOP\$)	Unit	AMOUNT (MOP\$)
	Campus WiFi Enhancement for BYOD			
1	RADIUS Server for Authentication and Authorization ACS 5.4 VMware Software + Base License (Electronic Delivery) L-CSACS-54VM-K9		1	
	Cisco Secure ACS 5 Base License (Electronic Delivery). L-CSACS-5-BASE-LIC	-include	1	-include
2	Academic VMware vSphere 5 Essentials Kit for 3 hosts (Max 2 processors per host) VS5-ESSL-BUN-A		1	
	Academic Subscription only for VMware vSphere 5 Essentials Kit for 3 years VS5-ESSL-3SUB-A		1	
3	WinSvrStd 2012 SNGL OLP NL Acdmc 2Proc P73-05828		2	

4	1000BASE-T SFP (for 2 x WLAN Controller) GLC-T=		8	
5	C3750X-24 LAN Base to IP Base E-License L-C3750X-24-L-S		1	
6	Cisco Prime Infrastructure 2.x			
	Cisco Prime Infrastructure 2.x R-PI2X-K9	-include	1	-include
	Prime Infrastructure 2.x Base License. L-PI2X-BASE		1	
	Prime Infrastructure 2.0 Software. R-PI20-SW-K9		1	
	Prime Infrastructure 2.x -Lifecycle -25 Device Lic. L-PI2X-LF-25		1	
	WCS to Prime Infrastructure 2.x Upg 100 Device L-W-PI2X-100-U=		2	
	Cisco Hardware Maintenance -3 years			
7	SMARTnet / SMB SA Items			
	SW APP SUPP ACS 5.4 VMware Softw. CON-SAS-CSACS5V		1	
	ESSENTIAL SW NULL SKU-No line item services included. CON-ESW-PI2XK9B	-include	1	-include
	ESSENTIAL SW Prime Infrastructure 2.x Base License. CON-ESW-PI2XBASE		1	
	ESSENTIAL SW Prime Infrastructure 2.0 Software. CON-ESW-PI20SW		1	
	ESSENTIAL SW PI 2.x -Lifecycle -25 Device Lic. CON-ESW-PI2XLF25		1	
	SW APP SUPP + UPGR PI 2.0 -Lifecycle -100 Device Lic. CON-SAU-PI20LF1H		2	
8	Hardware Server (Dell / HP / IBM) -1 x Intel Xeon E5-2630 or above -64GB PC3L-12800R (DDR3-1600LV) Registered DIMMs -Ethernet 1Gb 4-port Adapter -RAID Card RAID 0/1/1+0/5/5+0/6/6+0 -SATA DVD-RW /ROM Optical Drive -4 x 600GB 6G SAS 10K 2.5in SC ENT HDD or above		1	
9	Professional Services for Cisco ACS/BYOD Improvement Implementation On-site Study, Installation, Config, Co-ord and System Implementation Study/define policy, setup/config, integration, test assurance 3 years service and support, 8x5xNBD, by phone-support/remote/on-site		1	
10	Optional Upgrade			
	802.11ac Wave 1 Module for AP3600, N Reg Domain (for 8/F Hall) AIR-RM3000AC-N-K9=		6	
	Catalyst 3750X 24 Giga Port Data IP Base, with 350W AC power supply WS-C3750X-24T-S		1	
	Catalyst 3K-X 10G Network Module (this add two 10G		1	

	SFP+ connection) C3KX-NM-10G=			
	10GBASE-SR SFP Module SFP-10G-SR=		2	
	SMB SA 8x5xNBD for WS-C3750X-24T-S for 3 years CON-SMBS-3750X2TS		1	
	SUSE Server Inspection			
11	On-site Study, Installation, Config, Co-ord and System Implementation a) On site installation at office hour (0930-1730, Monday to Friday) b) Cable, patching are Included. c) The site is ready for installation. -work under 2 m by safety plan; client provides ladder, high platform. d) Project Management to ensure the project is well started and finished. -site study/planning for campus and site with setup recommendations. -liaison with various vendors within the project to furnish effectively. e) Linux Server performance checking/inspection f) Linux Server reconfiguration or fine-tuning after the inspection (if need) g) Linux Server/network integration checking (include the architecture design)		1 job	

附件 A2

A2. 無盤開機系統

目的：

為本校的中學電腦室（共 3 個課室）的學生電腦提供無盤開機方案，統一集中管理操作系統及軟件配置。

設備內容：

PRODUCT DESCRIPTION	Unit
a. 無盤系統伺服器軟件程式 (支持180 user)	6
b. 無盤系統客戶軟件程式	180
c. 安裝伺服器及客戶端軟件程式及按照系統要求有關之無盤系配置 提供伺服器軟件程式及客戶端程式的使用教學系統軟件首年支援服務	1
d. 無盤系統軟件第2年維護費用 和支援服務 -8 xx5xNBBD on site service	180
e. 無盤系統軟件第3年維護費用 和支援服務 -8 xx5xNBBD on site service	180
f. 伺服器：Dell PowerEdge R420 Xeon E5-2420 1.9G,	6
g. Cisco Switch 48 ports	6
h. Server 硬盤升級 (SSD方案)	6
