Summary Specification

BIL. SEBUTHARGA/QUOTATION REF.:	**UBD/Q/107/2024 (ICTC) - [G]**
BIL. TAWARAN/TENDER REF. :	
TARIKH DIIKLANKAN :	16 Julai 2024 [Selasa]
TARIKH TUTUP :	30 Julai 2024 [Selasa] JAM: 2 Petang
DOCUMENT FEE :	B$ 10.00

IMPORTANT

The Official PDF quotation/tender form will be send via email once UBD Official receipt issued and send to vendors/supplier for confirmation of payment received.

Mode of Payments > REFER IN UBD WEBSITE

Please take note that the document fee for each of the New and Extended quotations will be BND 10.00 each

Important Note: Please ensure that you provide the correct details when making the payment.

Please email proof of the above payment to helpdesk.epay@ubd.edu.bn. , finance@ubd.edu.bn,eprocurement.support@ubd.edu.bn.

	TITLE :	**"SUPPLY, DELIVERY, INSTALLATION, CONFIGURATION, TESTING AND COMMISIONING WIFI FOR FACULTY OF SCIENCE (FOS), UNIVERSITI BRUNEI DARUSSALAM"**	
No.	**Quantity**	**SPECIFICATIONS**	
		Switches-Group-Access1	**Part Number #**
1.0	1	Networking CX 6200M 24G Class4 PoE 4SFP+ Switch	R8Q68A
1.1	1	1Y FC NBD Exch 6300M 24SFP SVC [for JL658A]	H90H5E
1.2	2	Networking X372 54VDC 680W 100-240VAC Power Supply	JL086A
1.3	2	INCLUDED: Power Cord - United Kingdom localization	JL086A ACC
1.4	1	Networking X751 Front to Back Fan Tray	JL669B
1.5	2	Networking 1G SFP LC LX 10km SMF Transceiver	J4859D
		Switches-Group-Spare2	
2.0	2	Networking CX 6200F 12G Class4 PoE 2G/2SFP+ 139W Switch	R8Q72A
2.1	2	INCLUDED: Power Cord - United Kingdom localization	R8Q72A ACC
2.2	2	1Y FC NBD Exch 6200F 12G SVC [for R8Q72A]	H92M9E
2.3	2	Networking 1G SFP LC LX 10km SMF Transceiver	J4859D
		Wireless-AP-Group	
3.0	30	Networking AP-505 (RW) Dual Radio 2x2 802.11ax Internal Antennas Unified Campus AP	R2H28A
3.1	30	1Y FC NBD Exch AP-505 SVC [for R2H28A]	HP9V9E
3.2	30	Networking LIC-AP Controller per AP Capacity License E-LTU	JW472AAE
3.3	30	Networking LIC-PEF Controller Policy Enforcement Firewall Per AP License E-LTU	JW473AAE
3.4	30	Networking LIC-RFP Controller RFProtect Per AP License E-LTU	JW474AAE
3.5	30	1Y FC SW Lic PEF Cntlr SVC [for JW473AAE]	H2XX3E
3.6	30	1Y FC SW Cntlr Per AP RF E-L SVC [for JW474AAE]	H2XV3E
3.7	30	1Y FC SW Cntrl per AP Cpty E-L SVC [for JW472AAE]	H2YU3E
3.8	65	Networking AP-220-MNT-W3 Low Profile Box Style Large Indoor AP Flat Surface Mount Kit	JY706A
3.9	3	Networking AP-MNT-MP10-X Campus AP mount adapter kit (10pack) for existing W2/W3 mounts	R3T20A
		Infrastructures Cabling	
4.0	30	Install and Commisionning UTP CAT6 Cabling with Trunking	
		Prossional Services	
5.0	1 lot	Professional Sevices and Labour Installation	
		Please refer to ANNEX 1 - Implementation and Related Services	
6.0		**WARRANTY**	
		- Warranty duration must be at least five (5) years	

ANNEX 1 - Implementation and Related Services

1. Scope Of Work Include	
1.1	Installation and Configuration commissioning Wireless Solution
1.2	Vendor will conduct a complete assessment of the campus prior to commencement of the Wireless project. The purpose of the assessment is to determine with the exact number location AP to install and discover the signal strength
1.3	Pulled UTP CAT6 network cabling with FacePlate, Trunking and Termination and patch panel
1.4	The successful vendor will provide Category 6 patch cables for all patch panel/switch ports
1.5	Create separate VLAN for new Wi-Fi AP propose and the client
1.6	All switch must connected and configure to current core switch cisco in ICTC Datacome including routing
1.7	All AP will conencted to current WLC aruba controller mobility
3. Mobility	
3.1	The system must support L2 roaming capabilities across APs (terminated on the same and different controllers) with no special client-side software required.
3.2	The system must support seamlessly connectivity with roaming handoff times of 2-3 milliseconds, delay-sensitive and persistent applications such as voice and video experience uninterrupted performance, included:
3.2.1	Fast roaming: 2-3 msec intra-controller, 10-15 msec inter-controller
3.2.2	Roaming across subnets and VLANs: session do not drop as clients roam on the network
3.2.3	Automatically establishes home agent/foreign agent relationship between Mobility Controllers
3.2.4	Prevent clients from changing IP address while roaming
3.2.5	VLAN Pooling: automatically load balances clients across multiple VLANs
4. Authentication	
4.1	Intregareted with UBD Active Directory
4.2	Integrated into the controller/switch.
4.3	Web-Based Authentication (e.g. WebAuth/Active Directory):
4.4	Facilitate process for non-IT staff to create temporary guest IDs and passwords to automatically age out / expire.
4.5	Packet rate based bandwidth contract for individual guest users for increased control of guest traffic usage.
4.6	802.1X based guest access using a local database on the switch/controller that can be used to authenticate users.
4.7	Time-of-day / duration based access per guest user of increased control and security
4.8	Time-of-day availability of guest SSID for increased control and security