

Pindaan Spesifikasi Sebut Harga Bagi Merekabentuk, Membekal, Menghantar, Memasang, Menguji, Melatih Dan Mentauliah Rangkaian Access Point di Institut Integriti Malaysia (IIM/SH/06/2021)

Pihak Jawatankuasa Spesifikasi Teknikal telah menerima cadangan dan pandangan daripada pembekal selepas lawatan tapak dilakukan pada 4 Oktober 2021 (isnin). Hasil semakan, kami bersepakat mendapati terdapat pindaan yang perlu dilakukan pada spesifikasi sebut harga tersebut. Berikut adalah senarai **PINDAAN** yang perlu dilakukan:-

Spesifikasi Dokumen (Lama)	Spesifikasi Dokumen (Terkini)
1. TECHNICAL SPECIFICATION AND COMPLIANCE (HIGH END ACCESS POINT)	
B. General Hardware Specification: MUST provide single vendor/brand across all proposed hardware & software	
<p>No 6. Provide one 10/100/1000M Ethernet ports, one 2.5Gbps Ethernet port and one USB 2.0 port, Type A.</p> <p>No 10. Proposed AP must come with onboard IoT radios, support both BLE and Zigbee.</p>	<p>No 6. Provide one 10/100/1000M Ethernet ports.</p> <p>No 10. Proposed AP must come with onboard IoT radios.</p>
C. Product Features	
<p>No 12. D. As a minimum the solution must support the following OS for over-the-air provisioning any other OS can be supported by providing the details in a web page: Windows; Mac OS X; Apple iOS; Android.</p> <p>No 13. The AP should support WIDS (Wireless Intrusion Detection System) feature, including RF interference tracking, rogue AP detection & containment, anti-ARP spoofing ,etc</p>	<p>No 12. D. Remove from the specification.</p> <p>No 13. Remove from the specification.</p>
D. Product Specification	
<p>No 1. Provide a copy of the radiocommunications apparatus approval certificate. The product model should be consistent with that of the tender product.</p> <p>No 2. The AP must meet the following regulatory or equivalent requirements:</p> <ul style="list-style-type: none"> · EN 60950-1 Safety · EN 60601-1-2 Medical · EN 61000-4-2/3/5 Immunity · EN 50121-1 Railway EMC · EN 50121-4 Railway Immunity · IEC 61373 Railway Shock & Vibration · UL 2043 Plenum · EN 62311 Human Safety/RF Exposure · WEEE & RoHS · ISTA 2A Transportation <p>No 3. The product line should possess a stress test report issued by an international third-party authority for measuring Wi-Fi 6 APs performance to simultaneously stream high-definition video to 30 clients, carry VoIP traffic for 5 clients and download data to 25 clients. Additionally, it should includes a second assessing</p>	<p>Remove all items from the specification.</p>

troubleshooting and analytics capabilities of each vendor's enterprise cloud platform in the report.	
2. TECHNICAL SPECIFICATION AND COMPLIANCE (MIDDLE END ACCESS POINT)	
B. General Hardware Specification: MUST provide single vendor/brand across all proposed hardware & software	
<p>No 6. Provide two 10/100/1000M Ethernet ports and one USB 2.0 port, Type A.</p> <p>No 11. Proposed AP must come with onboard IoT radios, support both BLE and Zigbee</p> <p>No 12. Support operating temperature: -10°C to 50°C (40°C), operating humidity: 5% to 95% (non-condensing)</p>	<p>No 6. Provide one 10/100/1000M Ethernet ports.</p> <p>No 11. Proposed AP must come with onboard IoT radios.</p> <p>No 12. Support operating temperature: -10°C to 40°C, operating humidity: 5% to 95% (non-condensing).</p>
C. Product Features	
<p>No 13. D. As a minimum the solution must support the following OS for over-the-air provisioning any other OS can be supported by providing the details in a web page: Windows; Mac OS X; Apple iOS; Android</p>	<p>No 13. D. Remove from the specification.</p>
D. Product Certification	
<p>No 1. Provide a copy of the radio communications apparatus approval certificate. The product model should be consistent with that of the tender product.</p> <p>No 2. Provide Wi-Fi 6 Certification from Wi-Fi Alliance (WFA) of the AP. The product model should be consistent with that of the tender product.</p> <p>No 3. The AP must meet the following regulatory or equivalent requirements:</p> <ul style="list-style-type: none"> · EN 60950-1 Safety · EN 60601-1-2 Medical · EN 61000-4-2/3/5 Immunity · EN 50121-1 Railway EMC · EN 50121-4 Railway Immunity · IEC 61373 Railway Shock & Vibration · UL 2043 Plenum · EN 62311 Human Safety/RF Exposure · WEEE & RoHS · ISTA 2A Transportation <p>No 4. The product line should possess a stress test report issued by an international third-party authority for measuring Wi-Fi 6 APs performance to simultaneously stream high-definition video to 30 clients, carry VoIP traffic for 5 clients and download data to 25 clients. Additionally, it should includes a second assessing troubleshooting and analytics capabilities of each</p>	<p>Remove all items from the specification.</p>

vendor's enterprise cloud platform in the report.	
F. Professional Services	
2m CAT6 UTP Patch cable with label (Factory Terminated).	New installation of CAT6 cables from access switches to access point locations according to the schedule in Appendix A.
Appendix A : Maklumat Lokasi Pemasangan Access Point di IIM	
Bil 2. Aras Bawah (Lobi & Library)	Bil 2. Aras 2 (Ruang Legar Aras 2)