



# NATIONAL GIS AND DATA GOVERNANCE EXPERT

## *HARDWARE SPECIFICATIONS TOR CONSOLIDATION*

May 2022

MASAR implementing partners



In collaboration with



UNIVERSITY OF  
BALAMAND

Component	ACCD		PCPM		VNG-I	
	Description	Qty	Description	Qty	Description	Qty
<b>Desktop</b>	<u>Operating system:</u> Windows 10 Pro 64 <u>Processor:</u> 9th Generation Intel® Core™ i7-9700 Processor (3.0 GHz up to 4.70 GHz / 12 MB Cache, 8 Cores, 8 Threads) <u>Memory:</u> 16 GB DDR4 (2 x 8 GB) <u>Internal storage:</u> 256 GB SSD <u>2nd internal storage:</u> 1 TB HDD <u>Graphics:</u> NVIDIA® GeForce GTX 1060-6GB <u>DVD Drive:</u> Read & Write <u>USB Ports:</u> USB 3.1 Gen 1 Type-A ports <u>Office:</u> Office 2016	4	<i>Lenovo Desktop V530</i> <u>Operating system:</u> WinPro 10 Single Upgrd OLP <u>Processor:</u> Core i7-9700 (8C/3.0-4.7 GHz/12 MB Cache) <u>Memory:</u> 16GB <u>Internal storage:</u> 1TB 7,2K <u>Graphics:</u> NVIDIA GT730 4GB <u>Office:</u> Office Standard 2019 SNGL OLP	3	<u>Operating system:</u> Win 10 pro licence + office licence for 3 years. <u>Processor:</u> Core i7-9700 CPU (8 core, 16M Cache, 2.9GHz to 4.8GHz) <u>Memory:</u> 32 GB 16*2 DDR 4 2666MHZ <u>Internal storage:</u> 1 TB SSD <u>Graphics:</u> NVIDIA® GeForce® RTX 2060 SUPER™ 8GB GDDR6	2
<b>Monitor</b>	<u>Screen Size:</u> 24 Inches <u>Resolution:</u> FHD 1080p <u>Display Technology:</u> LED <u>Ports:</u> HDMI	4	<i>Lenovo C24-20</i> <u>Screen Size:</u> 23.8 Inches <u>Resolution:</u> FHD	3	<u>Screen Size:</u> 22 Inches <u>Resolution:</u> 1920x1080, 60 Hz	4
<b>Keyboard</b>	English & Arabic, Wireless Preferably	4	USB Wired	3	Compatible with all Window	2
<b>Mouse</b>	Wireless Preferably	4	USB Wired	6	Two primary buttons Clickable scroll wheel 1000 DPI sensitivity	2
<b>UPS</b>	Battery Power - 850VA / 510W	4	Best One UPS Backup 850V/480W	3	Battery Backup Uninterruptible Power Supply (UPS) with 600 Watt or 1000 VA Power Output 12 Volt, 14 Ah	2
<b>Sharing Storage</b>	<u>Internal storage:</u> 1 TB HDD	2	<u>Internal storage:</u> WD 1TB 7.2K 3.5" HDD	3		
<b>Backup Storage</b>	<u>External storage:</u> 1 TB HDD, USB 3.0	2	<u>External storage:</u> External HDD Transcend 1 TB HDD, USB 3.1 Gen 1 StoreJet Rugged	3		

Component	ACCD		PCPM		VNG-I	
	Description	Qty	Description	Qty	Description	Qty
<b>Printer</b>	Printer (All-in-One) Functions: Print, copy, scan Print Resolution: 1200 by 1200 dpi Media Size: up to A3 Scan resolution: 1200 by 1200 dpi Scan size (max): 11.69 x 17 in Scan file format: PDF; TIFF; JPEG	2	<i>HP Office Jet Pro 7740</i> Printer (All-in-One) Functions: 4in1 Print, Scan, Copy, Fax Media Size: Wide Format	3	HP 3 IN printer 7740 A3 Colour Ink Printer, Perfect for Business Print, Scan, Copy and Fax, Sizes up to 11x17" 35 sheet ADF Print speed up to 21 ppm (black) and 17 ppm (colour) Autoduplex	2
<b>Laptop</b>			<i>ASUS Laptop Inter i7 11370 H</i> <u>Operating system:</u> WinPro 10SNGL Upgrd OLP <u>Processor:</u> Core i7-11370H <u>Memory:</u> 16GB, DDR4 2666MHz <u>Internal storage SSD:</u> 512GB NVMe <u>2<sup>nd</sup> internal storage:</u> HDD: 1TB <u>Graphics:</u> NVIDIA GeForce RTX3060 6GB <u>Office:</u> Office Standard 2019 SNGL OLP <u>Mouse:</u> USB Wired <u>Screen:</u> 15.6 Inches, 240Hz <u>Warranty:</u> 3 Years	3		
<b>Server</b>					A compact, affordable, entry tower optimized for SMB, remote/branch offices, and small/home offices. Intel processor  <u>Lenovo ThinkSystem ST 250 Xeon E2224</u> <u>3.4 GHZ RAM 16 GB TruDDR4</u> <u>2666 MHZ (2Rx8, 1.2 V)</u> <u>UDIMM HDD 2 x 1.2 TB 10k SAS 12 Gb</u> <u>Operating system: windows server 2019</u> <u>standards</u>	2

Component	ACCD		PCPM		VNG-I	
	Description	Qty	Description	Qty	Description	Qty
<b>Handheld PDA</b>					GPS enabled tablet with an accurate geolocation 2GB of RAM 32GB of expandable internal memory 8 to 10 inches or similar	12
<b>Warranty</b>	1 Year		3 Years		Bi -monthly Service visits or when needed Coordination with GIS expert on all technical issues	6