

Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page **1** of **14**

Anexa nr. 22
la Documentația standard
aprobată prin Ordinul Ministrului Finanțelor
nr. 115 din 15.09.2021

Denumirea bunurilor	Denumirea modelului	Țara de origine	Producătorul	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertant	Standarde de referință
1	2	3	4	5	6	7
Lotul 1: Calculatoare portabile 16 inch						
1.1. Calculator portabil 16 inch	ThinkPad L16 Gen 2	CHINA	LENOVO	Tip: Laptop 16 inch Condiții generale: Echipamentul oferit trebuie să fie nou, calitativ, produs de serie a producătorilor renumiți, cunoscuți internațional în domeniul TI. Componentele echipamentului trebuie să fie reciproc compatibile, să asigure funcționarea sigură, eficientă și optimă a sistemului în ansamblu. Specificații tehnice: <u>Display 16 inch (min.):</u> IPS, 1920x1200, anti glare, 300 nit. <u>CPU (min.):</u> - Frequency(min.): up to 4.3 GHz, 12 MB L3 Cache, 12 cores, 14 Threads, TDP at base power: 15W; - Features (min.):64-bit, SSE4.1, SSE4.2, AVX2, Gaussian&Neural Accelerator-3.5, AES New Instruction, Thread Director, Deep Learning Boost, Threat Detection Technology, Hardware Shield Eligibility, Secure Key, OS Guard, Boot Guard, VT-x, VT-d, VT-x EPT; - Graphics(min.): Frequency up to 1.85Ghz; DirectX 12.2; OpenGL 4.6; OpenCL-3.0; Deep Learning Boost;	Tip: Notebook ThinkPad L16 Gen 2 21SB Condiții generale: Echipamentul oferit trebuie este nou, calitativ, produs de serie Lenovo, brand internațional în domeniul TI. Componentele echipamentului sunt reciproc compatibile, si asigură funcționarea sigură, eficientă și optimă a sistemului în ansamblu. Specificații tehnice: <u>Display 16 inch (min):</u> 16" WUXGA (1920 x 1200), IPS, Anti-Glare, Non-Touch, 45%NTSC, 400 nits, 60Hz; <u>CPU (min.):</u> Intel® Core™ Ultra 5 Processor 225U - Frequency(min.): up to 4.8 GHz, 12 MB L3 Cache, 12 cores, 14 Threads, TDP at base power: 15W; - Features (min.):64-bit, SSE4.1, SSE4.2, AVX2, Gaussian&Neural Accelerator-3.5, AES New Instruction, Thread Director, Deep Learning Boost, Threat Detection Technology, Hardware Shield Eligibility, Secure Key, OS Guard, Boot Guard, VT-x, VT-d, VT-x EPT; - Graphics(min.): Frequency up to 2 Ghz; DirectX 12.2; OpenGL 4.6; OpenCL-3.0; Deep Learning Boost; AI	ISO

Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page **2** of **14**

				<i>AI Software Frameworks: OpenVINO, WindowsML, DirectML, ONNX RT, WebGPU.</i> <u>RAM (min.):</u> 1x16 GB. <u>Storage (min.):</u> 256 GB NVMe SSD. <u>Ports and Connectors (min.):</u> Thunderbolt 4, USB Type C (with USB Power Delivery, USB 3.2 Type A, headphone/microphone combo jack, HDMI 2.1, RJ-45. <u>Camera (min.):</u> 5MP, IR webcam, Privacy shutter/switch. <u>Audio (min.):</u> Integrated dual-array Microphone, Integrated dual stereo speakers. <u>Wireless Communications (min.):</u> Wi-Fi 6 (2x2), Bluetooth 5.3, NFC. <u>Operating System (min.):</u> Windows 11 Pro English. <u>Input devices(min):</u> spill-resistant keyboard, backlight, numeric keypad, English-Russian keys (engraved), clickpad with multi-touch gesture support. <u>Security(min):</u> Fingerprint sensor, Security lock slot, Trusted Platform Module 2.0 (FIPS 140-2 Level 2 Certified), Pre-boot Authentication, USB enable/disable (BIOS), Setup password (BIOS), Support for chassis padlocks and cable lock devices. <u>Battery (min.):</u> 50 Wh, fast charge. <u>AC adapter (min.):</u> Smart 65 Watt AC adapter, USB-C. <u>Power Efficiency:</u> ENERGY STAR certified or equivalent. <u>Weight (max.):</u> 1.85 kg. <u>Dimensions:</u> Height (max.) 22 mm. <u>Accessories (same brand as the laptop):</u> - Backpack for 16 inch laptops, with luggage pass-through, slip and zippered pockets, (black, gray color).	<i>Software Frameworks: OpenVINO, WindowsML, DirectML, ONNX RT, WebGPU.</i> <u>RAM (min.):</u> 1x16 GB. <u>Storage (min.):</u> 256 GB NVMe SSD. <u>Ports and Connectors (min.):</u> Thunderbolt 4, USB Type C (with USB Power Delivery, USB 3.2 Type A, headphone/microphone combo jack, HDMI 2.1, RJ-45. <u>Camera (min.):</u> FHD 1080p + IR hybrid, with privacy shutter, fixed focus; <u>Audio (min.):</u> Stereo speakers, 2W x2, Dolby Audio™ <u>Wireless Communications (min.):</u> Wi-Fi 6 (2x2), Bluetooth 5.3, NFC. <u>Operating System (min.):</u> Windows 11 Pro English. <u>Input devices(min):</u> spill-resistant keyboard, backlight, numeric keypad, English-Russian keys (OEM TrackPoint® pointing device, double-tap to open the TrackPoint® Quick Menu Mylar® surface multi-touch 3-button Trackpad, <u>Security(min):</u> Fingerprint sensor, Security lock slot, Discrete TPM 2.0, TCG certified, FIPS 140-3 certified), Pre-boot Authentication, USB enable/disable (BIOS), Setup password (BIOS), Physical Locks Kensington® Nano Security Slot, 2.5 x 6 mm. <u>Battery (min.):</u> 57 Wh, fast charge. <u>AC adapter (min.):</u> Smart 65 Watt AC adapter, USB-C. <u>Power Efficiency:</u> ENERGY STAR certified or equivalent. <u>Weight (max.):</u> 1.79 kg. <u>Dimensions:</u> Height (max.) 22.00. <u>Accessories (same brand as the laptop):</u> - Lenovo Backpack for 16 inch laptops, B210.	
--	--	--	--	---	--	--

Accent Tenno SRL

IDNO: 1002600037469

TVA: 0244960

BC" MOLDOVA-AGROINDBANK" S.A. suc. 'MAIB PARK'

BIC AGRNMD2X522

IBAN LEI: MD52AG000000022515264935

Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page **3** of **14**

				- <i>Mouse: Bluetooth, rechargeable, smart stand by, required to work on most surfaces.</i> <u>Warranty(min):</u> <i>3 years hardware warranty and software support, software upgrade included.</i>	- <i>Lenovo Professional Bluetooth Rechargeable, required to work on most surfaces.</i> <u>Warranty:</u> <i>3 years hardware warranty and software support, software upgrade included.</i>	
Lotul 2: Calculatoare portabile 14 inch						

Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page **4** of **14**

2.1. Calculator portabil 2 in 1 de 14 inch	ThinkPad X1 2-in-1 G10	CHINA	LENOVO	Tip: Laptop portabil 2 in 1 de 14 inch Condiții generale: Echipamentul oferit trebuie să fie nou, calitativ, produs de serie a producătorilor renumiți, cunoscuți internațional în domeniul TI. Componentele echipamentului trebuie să fie reciproc compatibile, să asigure funcționarea sigură, eficientă și optimă a sistemului în ansamblu. Specificații tehnice: <u>Display 14 inch (min.):</u> IPS, 1920x1200, Touch, IPS, 400 nits. <u>CPU (min.):</u> - Overall Peak TOPS (Int8) - 118, Frequency up to 5 GHz, 12 MB L3 Cache, TDP at base power: 17W; - Features (min.): Thread Director, Deep Learning Boost, Threat Detection Technology, Hardware Shield Eligibility, Secure Key, OS Guard, Boot Guard, VT-x, VT-d, VT-x EPT; - Graphics: GPU Peak TOPS (Int8) - 66, Dynamic Frequency -2 Ghz; DirectX 12.2; OpenGL 4.6; OpenCL-3.0; Deep Learning Boost; AI Software Framework - OpenVINO, WindowsML, DirectML, ONNX RT, WebGPU, WebNN; - NPU: Peak TOPS (Int8) - 48, AI Software Frameworks - OpenVINO, WindowsML, DirectML, ONNX RT, WebNN. <u>RAM (min.):</u> 32 GB. <u>Storage (min.):</u> 512 GB NVMe SSD. <u>Ports and Connectors (min.):</u> Thunderbolt 4, USB type C (with power delivery), USB 3.2 Type A, headphone/microphone combo jack, HDMI 2.1. <u>Camera (min.):</u> FHD, IR webcam, Privacy shutter/switch.	Tip: Notebook ThinkPad X1 2-in-1 G10 Condiții generale: Echipamentul oferit trebuie este nou, calitativ, produs de serie Lenovo, brand internațional în domeniul TI. Componentele echipamentului sunt reciproc compatibile, si asigură funcționarea sigură, eficientă și optimă a sistemului în ansamblu.. Specificații tehnice: <u>Display 14" WUXGA (1920 x 1200), IPS, Anti-Glare, Touch, 100% sRGB, 500 nits</u> <u>CPU:</u> Intel® Core™ Ultra 7 268V - Overall Peak TOPS (Int8) - 118, Frequency up to 5 GHz, 12 MB L3 Cache, TDP at base power: 17W; - Features: Thread Director, Deep Learning Boost, Threat Detection Technology, Hardware Shield Eligibility, Secure Key, OS Guard, Boot Guard, VT-x, VT-d, VT-x EPT; - Graphics: GPU Peak TOPS (Int8) - 66, Dynamic Frequency -2 Ghz; DirectX 12.2; OpenGL 4.6; OpenCL-3.0; Deep Learning Boost; AI Software Framework - OpenVINO, WindowsML, DirectML, ONNX RT, WebGPU, WebNN; - NPU: Peak TOPS (Int8) - 48, AI Software Frameworks - OpenVINO, WindowsML, DirectML, ONNX RT, WebNN. <u>RAM:</u> 32 GB LPDDR5X-8533MT/s <u>Storage:</u> 512 GB SSD M.2 2280 PCIe; <u>Ports and Connectors :</u> 2x Thunderbolt 4, USB type C (with power delivery), 2x USB 3.2 Type A, 1x headphone/ microphone combo jack, 1x HDMI 2.1. <u>Camera:</u> UHD 8.0MP + IR camera models, Privacy shutter/switch.	ISO
--	------------------------	-------	--------	---	---	-----

Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page **5** of **14**

				<u>Audio (min.):</u> Integrated Multi-Array Microphone, Integrated 2 Stereo Speakers; <u>Wireless Communications (min.):</u> Wi-Fi 6 (2x2), Bluetooth 5, NFC. <u>Operating System (min.):</u> Windows 11 Pro English. <u>Input devices:</u> spill-resistant keyboard, backlight, English-Russian keys (engraved), clickpad with multi-touch gesture support. <u>Security:</u> Security lock slot, Trusted Platform Module 2 (FIPS 140-2 Level 2 Certified), Windows Hello Enhanced Sign-in Security (ESS), Pre-boot Authentication, USB enable/disable (BIOS), Setup password (BIOS), Support for chassis padlocks and cable lock devices. <u>Battery (min.):</u> 55 Wh, fast charge. <u>2 x power AC adapter (min.):</u> Smart 65 Watt AC adapter, USB-C. <u>Power Efficiency:</u> ENERGY STAR certified or equivalent. <u>Weight (max.):</u> 1.55 kg. <u>Dimensions:</u> Height (max:) 21 mm. <u>Accessories (same brand as the laptop):</u> - Backpack for 14 inch laptops, with luggage pass-through, slip and zippered pockets, (black, gray color); - Mouse: Bluetooth, rechargeable, smart stand by, required to work on most surfaces. <u>Warranty(min):</u> 3 years hardware warranty and software support, software upgrade included.	<u>Audio :</u> Integrated Dual-Array Microphone, Integrated 2 Stereo Speakers; <u>Wireless Communications:</u> Intel® Wi-Fi 7 BE201 2x2 BE vPro® & Bluetooth® 5.4, NFC. <u>Operating System:</u> Windows 11 Pro English. <u>Input devices:</u> spill-resistant keyboard, backlight, English-Russian keys (OEM), clickpad with multi-touch gesture support. <u>Security:</u> Kensington® Nano Security Slot, 2.5 x 6 mm, Discrete TPM 2.0, TCG certified, FIPS 140-3 certified, Windows Hello Enhanced Sign-in Security (ESS), Pre-boot Authentication, USB enable/disable (BIOS), Setup password (BIOS), Support for chassis padlocks and cable lock devices. <u>Battery :</u> 57 Wh, fast charge. <u>2 x power AC adapter (min.):</u> 65W USB-C® slim GaN (2-pin) AC adapter, supports PD 3.0, 100-240V, 50-60Hz <u>Power Efficiency:</u> ENERGY STAR® 9.0 certified. <u>Weight (max.):</u> 1.22ss kg. <u>Dimensions:</u> Height (max:) 18.3 mm. <u>Accessories (same brand as the laptop):</u> - Lenovo Backpack for 16 inch laptops, B210. - Lenovo Professional Bluetooth Rechargeable, required to work on most surfaces. <u>Warranty:</u> 3 years hardware warranty and software support, software upgrade included.	
--	--	--	--	--	---	--

Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page **6** of **14**

Lotul 3: Computere All in One						
3.1 Computer tip All In One High performance	ThinkCentre M90a Pro Gen 6	CHINA	LENOVO	Tip: Computer tip All In One High performance Condiții generale: Echipamentele oferite trebuie să fie noi, calitative, produse de serie a producătorilor renumiți, cunoscuți internațional în domeniul TI. Componentele echipamentelor trebuie să fie reciproc compatibile, să asigure funcționarea sigură, eficientă și optimă a sistemului în ansamblu. Specificații tehnice: Form Factor: All in One. CPU (min.): -Cores: 20, Threads: 28, up to 5.4 GHz, 33 MB L3 Smart Cache; -Features: 64-bit, SSE4.1, SSE4.2, AVX2, AES new instruction, Gaussian & Neural Accelerator 3.0, Deep Learning Boost, Threat Detection Technology, Hardware Shield Eligibility, Secure Key, OS Guard, Boot Guard, Virtualization technology (VT-x, VT-d, VT-rp); -Graphics(min): Dynamic Frequency -1.6 GHz, Execution Units: 32, DirectX 12, OpenGL 4.5. RAM (min.): 32 GB DDR5. Storage (min.): M.2 512GB NVMe SSD. Ports and connectors(min.): headphone/ microphone combo jack, power connector, RJ-45 Video Ports (DisplayPort 1.4 or HDMI 1,4 (with up to 4k resolution), USB Type A (min 1 port USB 3.2), USB-C. Display (min.): 27inch, IPS, Native Resolution 2560x1440@ 60Hz, antiglare, brightness 250 nits. Webcam (min.): built-in, 5 MP, IR sensor, Radar Sensor (presence detection), face authentication (windows Hello), dual array microphone, privacy shutter/switch.	Tip: ThinkCentre M90a Pro Gen 6 Condiții generale: Echipamentele oferite trebuie să fie noi, calitative, produse de serie a producătorilor renumiți, cunoscuți internațional în domeniul TI. Componentele echipamentelor trebuie să fie reciproc compatibile, să asigure funcționarea sigură, eficientă și optimă a sistemului în ansamblu. Specificații tehnice: Form Factor: All in One. CPU (min.): Intel® Core™ Ultra 7 265 vPro® -Cores: 20, Threads: 20, up to 5.3 GHz, 30 MB L3 Smart Cache; -Features: 64-bit, SSE4.1, SSE4.2, AVX2, AES new instruction, Gaussian & Neural Accelerator 3.0, Deep Learning Boost, Threat Detection Technology, Hardware Shield Eligibility, Secure Key, OS Guard, Boot Guard, Virtualization technology (VT-x, VT-d, VT-rp); -Graphics(min): Dynamic Frequency -1.6 GHz, DirectX 12, OpenGL 4.5. RAM (min.): 32 GB DDR5-5600MT/s. Storage (min.): 512 GB SSD M.2 2280 PCIe Gen4. Ports and connectors(min.): headphone/ microphone combo jack, power connector, RJ-45 Video Ports (1x DisplayPort 1.4 , 1x HDMI in 1,4 (with up to 4k resolution)/ 1x HDMI out 2.1, 5x USB Type A port USB 3.2, 2x USB-C. Display (min.): 27inch, IPS, Native Resolution 2560x1440@ 120Hz, antiglare, brightness 400 nits. Webcam (min.): built-in, 5.0-megapixel, IR + RGB hybrid, with ThinkShutter (physical switch on/off) and	ISO

Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page 7 of 14

				<u>Speakers(min.):</u> built-in, output power 2x3W. <u>Power Efficiency:</u> ENERGY STAR certified or equivalent. <u>Networking(min):</u> 100/1000BASE-T Ethernet (RJ-45). <u>Wireless Communications (min.):</u> Bluetooth 5.3. <u>Operating System (min.):</u> Windows 11 Pro 64 English. <u>Security:</u> Fingerprint reader, Power On Authentication, Pre-Boot Authentication, Chassis intrusion switch alert, TPM 2.0 (FIPS 140-2 Level 2 Certified). <u>Keyboard (min):</u> Wireless (2,4 GHz, Bluetooth); rechargeable (fast charging); Led Indicators: battery, Caps Lock, connection status; Full size, 108 keys, up to 10 millions clicks buttons life cycle, number pad, Multi-device, multimedia and volume control keys; spill-resistant design, comfortable and quiet typing; adjustable tilt legs; OS auto-detection; compatible with operating systems: Windows, Linux, macOS En-Ru keys engraved, design and colors as the All in One Computer. <u>Mouse(min):</u> Wireless (2,4 GHz, Bluetooth); rechargeable (fast charging); Led Indicators: Channel, battery; High-Definition, Movement Resolution 1000 dpi, required to work on most surfaces. <u>Mouse pad(min.):</u> durable surface, anti-fray, splash resistant, non-slip rubber, for high-DPI mice with advanced control and accuracy. <u>Surge Protector(min):</u> high-quality, flame-retardant case, over-voltage suppression, up to 250 V AC, 16 A automatic circuit breaker, safety class IP20, 5 sockets (EU), 3m length. Warranty (min): 3 years hardware warranty and software support, software upgrade included.	<i>Human Presence Detection (Radar Sensor), ±20° tilt and 180° swivel view angle adjustable, Windows® Hello support.</i> <u>Power Efficiency:</u> ENERGY STAR certified 9.0. <u>Networking(min):</u> 100/1000BASE-T Ethernet (RJ-45). <u>Wireless Communications (min.):</u> Intel® Wi-Fi 6E AX211 2x2 AX vPro® & Bluetooth® 5.3. <u>Operating System (min.):</u> Windows 11 Pro 64 English. <u>Security:</u> Fingerprint reader, Power On Authentication, Pre-Boot Authentication, Chassis intrusion switch alert, Discrete TPM 2.0, TCG certified, FIPS 140-2 certified. <u>Keyboard (min):</u> HP 975 Dual-Mode Wireless Keyboard Wireless (2,4 GHz, Bluetooth); rechargeable (fast charging); Led Indicators: battery, Caps Lock, connection status; Full size, 108 keys, up to 10 millions clicks buttons life cycle, number pad, Multi-device, multimedia and volume control keys; spill-resistant design, comfortable and quiet typing; adjustable tilt legs; OS auto-detection; compatible with operating systems: Windows, Linux, macOS En-Ru keys engraved, design and colors as the All in One Computer. <u>Mouse(min):</u> Lenovo Professional Bluetooth Rechargeable Mouse : Wireless (2,4 GHz, Bluetooth); rechargeable (fast charging); Led Indicators: Channel, battery; High-Definition, Movement Resolution 1000 dpi, required to work on most surfaces. - <u>Mouse pad:</u> Gembird Mouse pad MP-GAME-L, durable surface, anti-fray, splash resistant, non-slip rubber, for high-DPI mice with advanced control and accuracy.	
--	--	--	--	---	---	--

Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page **8** of **14**

				<u>Note:</u> The mouse and keyboard design and colors must match those of the modular All-in-One Computer.	- <u>Surge Protector(min):</u> Gembird Surge Protector SPG6-B-10C , high-quality, flame-retardant case, over-voltage suppression, up to 250 V AC, 16 A automatic circuit breaker, safety class IP20, 5 sockets (EU), 3m length. <u>Warranty (min):</u> 3 years hardware warranty and software support, software upgrade included. <u>Note:</u> The mouse and keyboard design and colors must match those of the modular All-in-One Computer.	
Lotul 4: Stații de lucru-multimonitor						
4.1. Stație de lucru-multimonitor	Workstation P3 Tower	China	Lenovo	<u>Tip:</u> Stație de lucru performantă capabilă să lucreze eficient cu 4 monitoare simultan <u>Condiții generale:</u> Echipamentele oferite trebuie să fie noi, calitative, produse de serie a producătorilor renumiți, cunoscuți internațional în domeniul TI. Componentele echipamentelor trebuie să fie reciproc compatibile, să asigure funcționarea sigură, eficientă și optimă a sistemului în ansamblu. <u>Specificatii tehnice:</u> <u>Form Factor:</u> Mini/SFF/Micro/Slim. <u>CPU (min.):</u> - Cores: 20, Threads: 28; Frequency—up to 5,4 GHz; 33 MB L3 Cache, TDP at base frequency (max): 125W; - Features(min.):64-bit, SSE4.1, SSE4.2, AVX2, AES new instruction, Idle States, Thermal Monitoring, Gaussian&Neural Accelerator-3.0, Thread Director, Deep Learning Boost, Threat Detection Technology,	<u>Tip:</u> Workstation P3 Tower <u>Condiții generale:</u> Echipamentele oferite trebuie să fie noi, calitative, produse de serie a producătorilor renumiți, cunoscuți internațional în domeniul TI. Componentele echipamentelor trebuie să fie reciproc compatibile, să asigure funcționarea sigură, eficientă și optimă a sistemului în ansamblu. <u>Specificatii tehnice:</u> <u>Form Factor:</u> Tower (27L) <u>CPU (min.):</u> Intel® Core™ i7-14700 vPro® - Cores: 20, Threads: 28; Frequency—up to 5,4 GHz; 33 MB L3 Cache, TDP at base frequency (max): 125W; - Features(min.):64-bit, SSE4.1, SSE4.2, AVX2, AES new instruction, Idle States, Thermal Monitoring, Gaussian&Neural Accelerator-3.0, Thread Director, Deep Learning Boost, Threat Detection Technology, Hardware Shield Eligibility, Secure Key, OS Guard, Boot Guard, VT-x, VT-d, VT-x EPT;	ISO

Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page **9** of **14**

				Hardware Shield Eligibility, Secure Key, OS Guard, Boot Guard, VT-x, VT-d, VT-x EPT; <u>RAM (min.):</u> 32 GB DDR5. <u>Storage(min.):</u> 512GB M2 NVMe SSD. <u>USB (min.):</u> 4xUSB 3.2 Type A; 2xUSB 20Gbps (charging supported up to 5V/3A) Type C. <u>Networking:</u> 100/1000 BASE-T Ethernet (RJ-45). <u>Audio(min):</u> 3.5 Universal audio jack. <u>Video card (min.):</u> Outputs ports (min.): 4x2560x1440@ 60hz DisplayPort or HDMI (Needed adapters included). <u>Cooling System:</u> Efficient to ensure optimal performance under heavy workloads. <u>Power supply(min):</u> Efficiency: 85%. <u>Energy Efficiency(min):</u> Energy Star certified or equivalent. <u>Operating System(min.):</u> Windows 11 Pro English. <u>Warranty(min):</u> 3 years hardware warranty and software support, software upgrade included	<u>RAM (min.):</u> 32 GB DDR5. <u>Storage(min.):</u> 512GB M2 NVMe SSD. <u>USB (min.):</u> 4xUSB 3.2 Type A; 2xUSB 20Gbps (charging supported up to 5V/3A) Type C. <u>Networking:</u> 100/1000 BASE-T Ethernet (RJ-45). <u>Audio(min):</u> 3.5 Universal audio jack. <u>Video card (min.):</u> NVIDIA T1000 8GB GDDR6 Outputs ports (4x mDP): 4x 5120 x 2880 @ 60Hz <u>Cooling System:</u> Efficient to ensure optimal performance under heavy workloads. <u>Power supply(min):</u> 750W Fixed 92% Autosensing, 80 PLUS Platinum qualified <u>Energy Efficiency(min):</u> Energy Star certified or equivalent. <u>Operating System(min.):</u> Windows 11 Pro English. <u>Warranty(min):</u> 3 years hardware warranty and software support, software upgrade included	
Lotul 5: Stații de lucru pentru editare conținut multimedia						
5.1. Stație de lucru pentru editare conținut 3D	Workstation P2 Tower	China	Lenovo	Tip: 3D Editing Desktop PC Condiții generale: Echipamentele oferite trebuie să fie noi, calitative, produse de serie a producătorilor renumiți, cunoscuți internațional în domeniul TI. Componentele echipamentelor trebuie să fie reciproc compatibile, să asigure funcționarea sigură, eficientă și optimă a sistemului în ansamblu. Specificații tehnice: Form Factor: Mid-Tower/Tower/Desktop form factor. <u>CPU (min.):</u>	Tip: Workstation P2 Tower Condiții generale: Echipamentele oferite trebuie să fie noi, calitative, produse de serie a producătorilor renumiți, cunoscuți internațional în domeniul TI. Componentele echipamentelor trebuie să fie reciproc compatibile, să asigure funcționarea sigură, eficientă și optimă a sistemului în ansamblu. Specificații tehnice: Form Factor: Tower (17L). <u>CPU (min.):</u> Intel® Core™ i9-14900 vPro®	ISO

Accent Tenno SRL

IDNO: 1002600037469

TVA: 0244960

BC" MOLDOVA-AGROINDBANK" S.A. suc. 'MAIB PARK'

BIC AGRNMD2X522

IBAN LEI: MD52AG000000022515264935

Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page **10** of **14**

				-Cores: 24, Threads: 24, up to 5.6 GHz, 40 MB L2 Cache; -Features: 64-bit, SSE4.1, SSE4.2, AVX2, AES new instruction, Gaussian & Neural Accelerator 3.5, Deep Learning Boost, Threat Detection Technology, Hardware Shield Eligibility, Secure Key, OS Guard, Boot Guard, Virtualization technology (VT-x, VT-d, VT-rp); AI Software Frameworks supported: OpenVINO, WindowsML, DirectML, ONNX RT, WebNN; -NPU: TOPS(INT8)- 13, Sparsity Support, Windows Studio Effects Support. <u>Efficient Cooling System:</u> Ensures optimal performance under heavy workloads; <u>RAM (min):</u> 64GB DDR5. <u>Dedicated Graphics(min):</u> - Display Support – up to 4 - Video Memory: 16GB GDDR7 - CUDA Core 10752 - Tensor Cores(AI): 1801 AI TOPS - Bus Standard PCI Express 5.0 - Engine Clock 2700 MHz - Memory Speed 30 Gbps - Memory Interface 256-bit <u>Storage(min):</u> 1TB NVMe M.2 PCIe SSD; <u>Ports:</u> <u>-Front Panel(min):</u> 2x USB 3.2 Gen 1 (5 Gbps) Type-A port; 1xUSB 3.2 Gen 2 (10 Gbps) Type-C port with PowerShare technology ,1x Universal audio jack 3.5mm.	-Cores: 24, Threads: 32, up to 5.8 GHz, 32 MB L2 Cache; -Features: 64-bit, SSE4.1, SSE4.2, AVX2, AES new instruction, Gaussian & Neural Accelerator 3.5, Deep Learning Boost, Threat Detection Technology, Hardware Shield Eligibility, Secure Key, OS Guard, Boot Guard, Virtualization technology (VT-x, VT-d, VT-rp); AI Software Frameworks supported: OpenVINO, WindowsML, DirectML, ONNX RT, WebNN; -NPU: TOPS(INT8)- 13, Sparsity Support, Windows Studio Effects Support. <u>Efficient Cooling System:</u> Ensures optimal performance under heavy workloads; <u>RAM (min):</u> 64GB DDR5. <u>Dedicated Graphics(min):</u> - Display Support – up to 4 - Video Memory: 16GB GDDR7 - CUDA Core 10752 - Tensor Cores(AI): 1801 AI TOPS - Bus Standard PCI Express 5.0 - Engine Clock 2700 MHz - Memory Speed 30 Gbps - Memory Interface 256-bit <u>Storage(min):</u> 1TB NVMe M.2 PCIe SSD; <u>Ports:</u> <u>-Front Panel(min):</u> 2x USB 3.2 Gen 1 (5 Gbps) Type-A port; 1xUSB 3.2 Gen 2 (10 Gbps) Type-C port with PowerShare technology ,1x Universal audio jack 3.5mm.	
--	--	--	--	--	--	--

Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page **11** of **14**

				<u>-Back Panel (min):</u> 1xUSB 3.2 Gen 1 (5 Gbps) Type-A port, 1xUSB 2.0 Type-A ports with Smart Power technology, 1xUSB 3.2 Gen 2 (10 Gbps) Type-C port with PowerShare technology, 1xLAN RJ45 1Gbps, 1xAudio Line In. 1x Audio Line Out. <u>Power:</u> -Power Efficiency (min): ENERGY STAR certified or equivalent. - Power supply (min): 1000 Watt Platinum Rated PSU, 90% Efficiency at 50% load. <u>Operating System:</u> Windows 11 Pro English <u>Warranty (min):</u> 3 years hardware warranty and software support, software upgrade included	<u>-Back Panel (min):</u> 1xUSB 3.2 Gen 1 (5 Gbps) Type-A port, 1xUSB 2.0 Type-A ports with Smart Power technology, 1xUSB 3.2 Gen 2 (10 Gbps) Type-C port with PowerShare technology, 1xLAN RJ45 1Gbps, 1xAudio Line In. 1x Audio Line Out. <u>Power:</u> -Power Efficiency (min): ENERGY STAR certified or equivalent. - Power supply (min): 1000 Watt Platinum Rated PSU, 90% Efficiency at 50% load. <u>Operating System:</u> Windows 11 Pro English <u>Warranty (min):</u> 3 years hardware warranty and software support, software upgrade included	
Lotul 6: Monitoare 27 inch și monitoare cu stație de endocare						
6.1. Monitor- Stație de Andocare de 27 inch QHD	ThinkVision T27hv- 30	China	Lenovo	<u>Tip:</u> 27inch QHD USB-C Docking Monitor <u>Condiții generale:</u> Echipamentul trebuie să fie nou, calitativ, produs de serie a producătorilor renumiți, cunoscuți internațional în domeniul TI. <u>Characteristics (min.):</u> 27inch, display type: IPS, 2560 x 1440@ 75Hz, Brightness 300 nits, Low Blue Light, Anti-glare. <u>Adjustable stand(min.):</u> height 150 mm, tilt -5° to 20°, swivel -40° to 40°. <u>Interface(min.):</u> DisplayPort 1.2, HDMI 1.4, USB-C upstream/DisplayPort, USB-A 3.2, RJ 45. <u>Webcam(min.):</u> built-in, 1080p, IR (Windows Hello support), pop-up camera or privacy switch/shutter, independent tilt -20° to 5°. <u>Microphone(min):</u> Echo Cancelling. <u>Speakers:</u> 3 W, integrated or mounted speaker bar. <u>Bezel:</u> 3 sided borderless.	<u>Tip:</u> ThinkVision T27hv-30 QHD USB-C Docking Monitor <u>Condiții generale:</u> Echipamentul trebuie să fie nou, calitativ, produs de serie a producătorilor renumiți, cunoscuți internațional în domeniul TI. <u>Characteristics (min.):</u> 27inch, display type: IPS, 2560 x 1440@ 75Hz, Brightness 300 nits, Low Blue Light, Anti-glare. <u>Adjustable stand(min.):</u> height 155 mm, tilt -5° to 20°, swivel -45° to 45°. <u>Interface(min.):</u> DisplayPort 1.2, HDMI 1.4, USB-C upstream/DisplayPort, 4x USB-A 3.2, RJ 45. <u>Webcam(min.):</u> built-in, 1080p, IR (Windows Hello support), privacy shutter, integrated into the top bezel; <u>Microphone(min):</u> Echo Cancelling. <u>Speakers:</u> 5Wxw, integrated.. <u>Bezel:</u> 3 sided borderless.	ISO

Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page **12** of **14**

				<u>Power:</u> on mode typical (max): 52W; stand by (max): 0.5W; Power Efficiency (min): ENERGY STAR certified or equivalent. <u>Accessories:</u> - cable USB-C - USB-C. - power cable - UE. - <u>Mouse and Keyboard (min):</u> - <u>Keyboard:</u> thin profile, spill-resistant design, comfortable and quiet typing, number pad; multimedia and volume control keys; waterproof membrane; adjustable tilt legs; En-Ru keys engraved, design and colors as Monitor. - <u>Mouse:</u> High-Definition, Movement Resolution 1000 dpi, required to work on most surfaces. - <u>Mouse pad:</u> durable surface, anti-fray, splash resistant, non-slip rubber, for high-DPI mice with advanced control and accuracy. - <u>Surge Protector(min):</u> high-quality, flame-retardant case, over-voltage suppression, up to 250 V AC, 16 A automatic circuit breaker, safety class IP20, 5 sockets (EU), 3m length. <u>Warranty (min):</u> 3 years hardware warranty and software support, software upgrade included. <u>Note:</u> The USB-C docking monitor, mouse and keyboard design and colors (business style) must match those at position 6.2.	<u>Power:</u> on mode typical (max): 30W; stand by (max): 168.5, Power Efficiency (min): ENERGY STAR certified or equivalent. <u>Accessories:</u> - cable USB-C - USB-C. - power cable - UE. - <u>Mouse and Keyboard (min):</u> - <u>Keyboard:</u> Logitech Keyboard K120 for Business, USB ,thin profile, spill-resistant design, comfortable and quiet typing, number pad; multimedia and volume control keys; waterproof membrane; adjustable tilt legs; En-Ru keys engraved, design and colors as Monitor. - <u>Mouse:</u> Logitech M100 Optical Mouse, Black, High-Definition, Movement Resolution 1000 dpi, required to work on most surfaces. - <u>Mouse pad:</u> Gembird Mouse pad MP-GAME-L ,durable surface, anti-fray, splash resistant, non-slip rubber, for high-DPI mice with advanced control and accuracy. - <u>Surge Protector(min):</u> Gembird Surge Protector SPG6-B-10C , high-quality, flame-retardant case, over-voltage suppression, up to 250 V AC, 16 A automatic circuit breaker, safety class IP20, 5 sockets (EU), 3m length. <u>Warranty (min):</u> 3 years hardware warranty and software support, software upgrade included. <u>Note:</u> The USB-C docking monitor, mouse and keyboard design and colors (business style) must match those at position 6.2.	
--	--	--	--	---	--	--

Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page **13** of **14**

6.2. Monitor de 27 inch QHD	ThinkVision T27-40	China	Lenovo	Tip: 27inch QHD Display Condiții generale: Echipamentele trebuie să fie noi, calitative, produse de serie a producătorilor renumiți, cunoscuți internațional în domeniul TI. Componentele echipamentelor trebuie să fie reciproc compatibile, să asigure funcționarea sigură, eficientă și optimă a sistemului în ansamblu. Characteristics (min.): 27 inch, Panel Type: IPS, 2560 x 1440 @ 75Hz, Brightness 300 cd/m², Low blue light; Anti-glare. Adjustable stand(min.): height-150 mm, tilt -5° to 20°, swivel -40° to 420°. Interface(min.): DisplayPort 1.2, HDMI 1.4, USB 3.2, audio line-out. Power: - On Mode typical(max.): <55 W (typ.); stand by: 0.5W(typ.). - Power Efficiency: ENERGY STAR certified or equivalent. Accessories: - cable DisplayPort – DisplayPort. - cable HDMI – HDMI. - cable USB-USB. - UE power cable. Warranty (min): 3 years hardware warranty and software support, software upgrade included. Note: The monitor design must match business style.	Tip: ThinkVision T27-40 Condiții generale: Echipamentele trebuie să fie noi, calitative, produse de serie a producătorilor renumiți, cunoscuți internațional în domeniul TI. Componentele echipamentelor trebuie să fie reciproc compatibile, să asigure funcționarea sigură, eficientă și optimă a sistemului în ansamblu. Characteristics (min.): 27 inch, Panel Type: IPS, 2560 x 1440 @ 120Hz, Brightness 300 cd/m², Low blue light; Anti-glare. Adjustable stand(min.): height-155 mm, tilt -5° to 23,5°, swivel left & right 45° swivel°, Pivot 90°. Interface(min.): DisplayPort 1.2, HDMI 1.4, 1x VGA, 1x USB 3.2, 1x USB-C. Power: - On Mode typical(max.): <75,5 W (typ.); stand by: 0.5W(typ.). - Power Efficiency: ENERGY STAR certified. Accessories: - cable DisplayPort – DisplayPort. - cable HDMI – HDMI. - cable USB-USB. - UE power cable. Warranty (min): 3 years hardware warranty and software support, software upgrade included. Note: The monitor design must match business style.	ISO
-----------------------------	--------------------	-------	--------	--	---	-----

Nume: Oleg Savcenko

În calitate de: Director Accent Tehno SRL

Accent Tenno SRL

IDNO: 1002600037469

TVA: 0244960

BC" MOLDOVA-AGROINDBANK" S.A. suc. 'MAIB PARK'

BIC AGRNMD2X522

IBAN LEI: MD52AG000000022515264935



Autoritatea Contractanta: **BANCA NAȚIONALĂ A MOLDOVEI**

Numărul procedurii de achiziție nr. **ocds-b3wdp1-MD-1748258590139**

Denumirea procedurii de achiziție: **Tehnică de calcul și echipamente periferice**

Data: 01.07.2025

Lot: 1 2 3 4 5 6

Page **14** of **14**

Adresa: mun. Chișinău, str. Bulgară, 33/1

Data completării 01.07.2025