

### Specificații tehnice

[Acest tabel va fi completat de către ofertant în coloanele 2, 3, 4, 6, 7, iar de către autoritatea contractantă – în coloanele 1, 5,]

Numărul procedurii de achiziție <a href="#">ocds-b3wdp1-MD-1663329662780</a> din 26.09.2022
Obiectul achiziției: Echipament informatic

Denumirea bunurilor/serviciilor	Denumirea modelului bunului/serviciului	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
<b>Bunuri</b>						
<b>Lotul 1 – Server</b>						
Server	PowerEdge R640 Server	SUA	Dell Technologies	<b>Server parameters:</b> <b>Number of CPU Sockets:</b> 2 <b>Form factor (fully configured):</b> 1U <b>Form factor chassis:</b> Rack <b>Power supply type supported:</b> 2 x 800W Flex Slot Platinum Hot Plug Power <b>Power supply installed:</b> 2 <b>Installed CPU qty:</b> 2 <b>Expansion slots:</b> 2xPCIe 3.0 <b>Memory:</b> Installed Size: 4x32 Gb (two modules for every CPU) RDIMM module Total Memory slots: 24 DIMM slots	<b>Server name:</b> Dell PowerEdge R640 <b>Number of CPU Sockets:</b> 2 <b>Form factor (fully configured):</b> 1U <b>Form factor chassis:</b> Rack <b>Power supply type supported:</b> Dual, Hot-plug, Redundant Power Supply (1+1), 750W <b>Power supply installed:</b> 2 <b>Installed CPU qty:</b> 2 <b>Expansion slots:</b> 3 x Gen3 slots, all x16 <b>Memory:</b> 4x (32GB RDIMM, 3200MT/s, Dual Rank 16Gb BASE x8) Total Memory slots: 24 DIMM slots	-

			<p><b>Memory type:</b> DDR4 SmartMemory, Advanced ECC  <b>Memory Form Factor:</b> RDIMM and LRDIMM  <b>Hard Drive Supported:</b> 8xSFF drives</p> <p><b>Dimensions:</b> 4.29 x 43.46 x 70.7 cm</p> <p>Weight: 13.04 kg minimum, 16.27 kg maximum</p> <p><b>Server remote management module specifications:</b></p> <ul style="list-style-type: none"> <li>• Embedded ARM processor core operating at 800 MHz</li> <li>• PCI express based health and remote management ASIC</li> <li>• Firmware upgradeable VIA flash ROM</li> <li>• Video support: 1920 x 1200 (32 bp)</li> <li>• 10/100/1000 Mb/s network interface</li> <li>• HTML5 remote console (No dependency on JAVA or .NET)</li> <li>• Native browser support for Chrome, Firefox, Edge, Internet Explorer, Safari</li> <li>• Keyboard, video, mouse redirection</li> <li>• Virtual media support (VIA URLs)</li> <li>• Support for Online Certificate Status Protocol (OCSP) for CAC/SmartCard/Certificate based authentication</li> <li>• Support for RSA-PSS certificate signatures</li> <li>• The management processor must obtain its power from the auxiliary power plane of the server, so it must be always ON when the server is plugged into a power source. If the server provides Redundant Power Supplies (RPS) then the management processor will use</li> </ul>	<p><b>Memory type:</b> DDR4 SmartMemory, Advanced ECC  <b>Memory Form Factor:</b> RDIMM  <b>Hard Drive Supported:</b> Front drive bays: Up to 10 x 2.5" SAS/SATA (HDD/SSD) with up to 8 NVMe SSD max 58TB or up to 4 x 3.5 SAS/SATA HDD max 40TB Rear drive bays: Up to 2 x 2.5" SAS/SATA (HDD/SSD), NVMe SSD max 12TB</p> <p><b>Dimensions:</b> Form factor: Rack (1U) 42.8mm (1.69") × 482.0mm (18.98") × 808.5mm (31.8")</p> <p>Weight 21.9kg (48.3 lbs.)</p> <p><b>Server remote management module specifications:</b></p> <ul style="list-style-type: none"> <li>• Embedded ARM processor core operating at 800 MHz</li> <li>• PCI express based health and remote management ASIC</li> <li>• Firmware upgradeable VIA flash ROM</li> <li>• Video support: 1920 x 1200 (32 bp)</li> <li>• 10/100/1000 Mb/s network interface</li> <li>• HTML5 remote console (No dependency on JAVA or .NET)</li> <li>• Native browser support for Chrome, Firefox, Edge, Internet Explorer, Safari</li> <li>• Keyboard, video, mouse redirection</li> <li>• Virtual media support (VIA URLs)</li> <li>• Support for Online Certificate Status Protocol (OCSP) for CAC/SmartCard/Certificate based authentication</li> <li>• Support for RSA-PSS certificate signatures</li> <li>• The management processor must obtain its power from the auxiliary power plane of the server, so it must be always ON when the server is plugged into a power source. If the server provides Redundant Power Supplies (RPS) then the management processor will</li> </ul>	
--	--	--	--	--	--

				<p>redundant power and will continue operation in the event of a power supply failure.</p> <ul style="list-style-type: none"> <li>• Monitor and alerting on key internal server components: CPUs, memory, temperatures, fans, Smart Array controllers, hard drives (Including cache modules) and power supplies without installing any driver.</li> <li>• Ability to put harden management processor module for specific security requirements.</li> <li>• Possibility to prevent any possibility of tampering of security signatures throughout the supply-chain.</li> <li>• The system must give users preview of the system health summary and sub-system details.</li> <li>• Diagnostics tools/scanners wrapped into one; always on, continuous monitoring; Rich configuration history; health and service alerts; Easy export and upload to service and support.</li> <li>• Provisioning and configuring the server without any separate media (No Smart Cards or CDs).</li> <li>• Command line support: SSHv2, RESTful API and Serial port.</li> <li>• RESTful API options supported: get full inventory, control power and reset, configure BIOS and Smart Array settings, status of server health, fetch event logs.</li> <li>• Security: runtime firmware validation, CNSA support, security modes, encrypted virtual media.</li> <li>• Active directory support.</li> <li>• Management protocols supported: SNMP, IPMI V2.0.</li> <li>• Possibility to connect to the remote management module through a USB to ethernet cable.</li> </ul>	<p>use redundant power and will continue operation in the event of a power supply failure.</p> <ul style="list-style-type: none"> <li>• Monitor and alerting on key internal server components: CPUs, memory, temperatures, fans, Smart Array controllers, hard drives (Including cache modules) and power supplies without installing any driver.</li> <li>• Ability to put harden management processor module for specific security requirements.</li> <li>• Possibility to prevent any possibility of tampering of security signatures throughout the supply-chain.</li> <li>• The system must give users preview of the system health summary and sub-system details.</li> <li>• Diagnostics tools/scanners wrapped into one; always on, continuous monitoring; Rich configuration history; health and service alerts; Easy export and upload to service and support.</li> <li>• Provisioning and configuring the server without any separate media (No Smart Cards or CDs).</li> <li>• Command line support: SSHv2, RESTful API and Serial port.</li> <li>• RESTful API options supported: get full inventory, control power and reset, configure BIOS and Smart Array settings, status of server health, fetch event logs.</li> <li>• Security: runtime firmware validation, CNSA support, security modes, encrypted virtual media.</li> <li>• Active directory support.</li> <li>• Management protocols supported: SNMP, IPMI V2.0.</li> <li>• Possibility to connect to the remote management module through a USB to ethernet cable.</li> </ul>	
--	--	--	--	--	--	--

			<p>Some of the features may require additional license.</p> <p><b>USB3.0 support:</b> 1 front port, 2 x rear ports and 2 x internal ports Power On/Standby button and system power LED UID button/LED MicroSD Card slot</p> <p><b>Warranty:</b> 3/3/3 - Server Warranty includes three years of parts, three years of labor, three years of onsite support coverage. Not refurbished (Certificat/document care ar confirma că echipamentul nu este refurbished)</p> <p><b>Non End of Sales or End of Support</b></p> <p><b>Networking:</b> 2x10Gbps Base-T adapters 802.1Q VLAN support Jumbo Frames: 9000KB Network adapter teaming</p> <p><b>CPU Parameters:</b> <b>CPU Cache:</b> 35 MB <b>CPU Clock Speed:</b> 3 GHz <b>CPU socket:</b> FCLGA3647 <b>Max Turbo Speed:</b> 4 GHz <b>Number of Cores:</b> 24-core <b>Number of Threads:</b> 48 threads <b>Thermal Design Power:</b> 205 W <b>Lithography:</b> 14nm <b>Max Memory Size:</b> 1TB <b>Memory Type:</b> DDR4-2933 <b>Instruction Set Extensions:</b> Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512 <b>Hyper-Threading Technology:</b> Yes <b>Execute Disable Bit:</b> Yes</p>	<p><b>USB3.0 support:</b> 2 x USB 3.0, dedicated iDRAC network port</p> <p><b>Warranty:</b> 3/3/3 - Server Warranty includes three years of parts, three years of labor, three years of onsite support coverage. Not refurbished (MAF-ul este dovada că echipamentul nu este refurbished, este nou)</p> <p><b>Non End of Sales or End of Support</b></p> <p><b>Networking:</b> Broadcom 57416 Dual Port 10GbE BASE-T &amp; 5720 Dual Port 1GbE BASE-T, rNDC Emulex LPe31002 Dual Port 16Gb Fibre Channel HBA, PCIe Low Profile, V2</p> <p><b>CPU Parameters:</b> <b>CPU Cache:</b> 35 MB <b>CPU Clock Speed:</b> 3 GHz <b>CPU socket:</b> FCLGA3647 <b>Max Turbo Speed:</b> 4 GHz <b>Number of Cores:</b> 24-core <b>Number of Threads:</b> 48 threads <b>Thermal Design Power:</b> 205 W <b>Lithography:</b> 14nm <b>Max Memory Size:</b> 1TB <b>Memory Type:</b> DDR4-2933 <b>Instruction Set Extensions:</b> Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512 <b>Hyper-Threading Technology:</b> Yes <b>Execute Disable Bit:</b> Yes</p>	
--	--	--	---	---	--

				<p><b>Security:</b></p> <ul style="list-style-type: none"> <li>• UEFI Secure Boot and Secure Start support</li> <li>• Immutable Silicon Root of Trust</li> <li>• FIPS 140-2 validation</li> <li>• Common Criteria certification</li> <li>• Configurable for PCI DSS compliance</li> <li>• Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser</li> <li>• Smart card (PIV/CAC) and Kerberos based 2-factor Authentication</li> <li>• Secure Recovery – recover critical firmware to known good state on detection of compromised FW</li> <li>• Ability to rollback firmware</li> <li>• Secure erase of NAND</li> <li>• TPM (Trusted Platform Module) 1.2 option</li> <li>• TPM (Trusted Platform Module) 2.0 option</li> <li>• Bezel Locking Kit</li> <li>• Chassis Intrusion detection option</li> </ul> <p><b>Industry Standard Compliance:</b></p> <ul style="list-style-type: none"> <li>• ACPI 6.1 Compliant</li> <li>• PCIe 3.0 Compliant</li> <li>• WOL Support</li> <li>• Microsoft® Logo certifications</li> <li>• PXE Support</li> <li>• USB 3.0 Compliant</li> <li>• USB 2.0 Compliant (only on optional Universal Media Bay)</li> <li>• SMBIOS 3.1</li> <li>• UEFI 2.6 (Unified Extensible Firmware Interface Forum)</li> <li>• Secure Digital 4.0</li> <li>• TPM 1.2 and 2.0 support</li> <li>• Advanced Encryption Standard (AES)</li> <li>• Triple Data Encryption Standard (3DES)</li> </ul>	<p><b>Security:</b></p> <ul style="list-style-type: none"> <li>• UEFI Secure Boot and Secure Start support</li> <li>• Immutable Silicon Root of Trust</li> <li>• FIPS 140-2 validation</li> <li>• Common Criteria certification</li> <li>• Configurable for PCI DSS compliance</li> <li>• Advanced Encryption Standard (AES) and Triple Data Encryption Standard (3DES) on browser</li> <li>• Smart card (PIV/CAC) and Kerberos based 2-factor Authentication</li> <li>• Secure Recovery – recover critical firmware to known good state on detection of compromised FW</li> <li>• Ability to rollback firmware</li> <li>• Secure erase of NAND</li> <li>• TPM (Trusted Platform Module) 1.2 option</li> <li>• TPM (Trusted Platform Module) 2.0 option</li> <li>• Bezel Locking Kit</li> <li>• Chassis Intrusion detection option</li> </ul> <p><b>Industry Standard Compliance:</b></p> <ul style="list-style-type: none"> <li>• ACPI 6.1 Compliant</li> <li>• PCIe 3.0 Compliant</li> <li>• WOL Support</li> <li>• Microsoft® Logo certifications</li> <li>• PXE Support</li> <li>• USB 3.0 Compliant</li> <li>• USB 2.0 Compliant (only on optional Universal Media Bay)</li> <li>• SMBIOS 3.1</li> <li>• UEFI 2.6 (Unified Extensible Firmware Interface Forum)</li> <li>• Secure Digital 4.0</li> <li>• TPM 1.2 and 2.0 support</li> <li>• Advanced Encryption Standard (AES)</li> </ul>	
--	--	--	--	--	--	--

				<ul style="list-style-type: none"> <li>• SNMP v3</li> <li>• TLS 1.2</li> <li>• ASHRAE A3/A4</li> </ul> <p><b>UEFI Capabilities:</b></p> <ul style="list-style-type: none"> <li>• Secure Boot and Secure Start enable for enhanced security</li> <li>• Operating system specific functionality</li> <li>• Support for &gt; 2.2 TB (using GPT) boot drives</li> <li>• USB 3.0 Stack</li> <li>• Embedded UEFI Shell</li> <li>• PXE boot support for IPv6 networks</li> <li>• Workload Profiles for simple performance optimization</li> </ul> <p><b>UEFI Boot mode only:</b></p> <ul style="list-style-type: none"> <li>• TPM 2.0 Support</li> <li>• NVMe Boot Support</li> <li>• Platform Trust Technology (PTT) can be enabled</li> <li>• iSCSI Software Initiator Support.</li> <li>• HTTP/HTTPS Boot support as a PXE alternative</li> <li>• Boot support for option cards that only support a UEFI option ROM</li> </ul> <p><b>Supported Operating Systems:</b></p> <ul style="list-style-type: none"> <li>• Windows Server 2019: Essentials, Standard, Datacenter</li> <li>• Windows Server 2016: Essentials, Standard, Datacenter</li> <li>• Windows Server 2012 R2: Essentials, Standard, Datacenter</li> <li>• Microsoft Hyper-V Server: 2012 R2, 2016 &amp; 2019</li> <li>• VMware vSphere: 6.0 U3, 6.5 U2 through U.3 &amp; 6.7 U1 through U3, 7.0</li> <li>• ClearOS: 7.6; ClearVM: 2.0</li> <li>• Red Hat Enterprise Linux (RHEL): 7.6 w/ Kbase **, 8.0</li> </ul>	<ul style="list-style-type: none"> <li>• Triple Data Encryption Standard (3DES)</li> <li>• SNMP v3</li> <li>• TLS 1.2</li> <li>• ASHRAE A3/A4</li> </ul> <p><b>UEFI Capabilities:</b></p> <ul style="list-style-type: none"> <li>• Secure Boot and Secure Start enable for enhanced security</li> <li>• Operating system specific functionality</li> <li>• Support for &gt; 2.2 TB (using GPT) boot drives</li> <li>• USB 3.0 Stack</li> <li>• Embedded UEFI Shell</li> <li>• PXE boot support for IPv6 networks</li> <li>• Workload Profiles for simple performance optimization</li> </ul> <p><b>UEFI Boot mode only:</b></p> <ul style="list-style-type: none"> <li>• TPM 2.0 Support</li> <li>• NVMe Boot Support</li> <li>• Platform Trust Technology (PTT) can be enabled</li> <li>• iSCSI Software Initiator Support.</li> <li>• HTTP/HTTPS Boot support as a PXE alternative</li> <li>• Boot support for option cards that only support a UEFI option ROM</li> </ul> <p><b>Supported Operating Systems:</b></p> <ul style="list-style-type: none"> <li>• Windows Server 2019: Essentials, Standard, Datacenter</li> <li>• Windows Server 2016: Essentials, Standard, Datacenter</li> <li>• Windows Server 2012 R2: Essentials, Standard, Datacenter</li> <li>• Microsoft Hyper-V Server: 2012 R2, 2016 &amp; 2019</li> <li>• VMware vSphere: 6.0 U3, 6.5 U2 through U.3 &amp; 6.7 U1 through U3, 7.0</li> <li>• ClearOS: 7.6; ClearVM: 2.0</li> <li>• Red Hat Enterprise Linux (RHEL): 7.6 w/ Kbase **, 8.0</li> </ul>	
--	--	--	--	--	--	--

			<ul style="list-style-type: none"> <li>• SUSE Linux Enterprise Server (SLES): 12 SP3, 15 (includes Xen)</li> <li>• Ubuntu: 18.04 LTS (4.15.0)</li> <li>• Oracle Linux: Oracle Linux 7.6 UEK Release 5 Update 2; Oracle VM 3.4.6 (UEK Release 4 Update 7)</li> <li>• Citrix: Hypervisor: 8,0, 8.1, 8.2; XenServer 7.1, 7.4, 7.5, 7.6</li> </ul> <p><b>HDD:</b> 2x300 Gb SAS 12G Enterprise 10K SFF(2.5 in) hot swap.</p> <p><b>HBA Parameters:</b> 16 Gb Dual Port Fibre Channel Host Bus Adapter Backward compatible with 8 and 4Gb FC environment. SFPs and optical cables included</p> <p><b>Raid Controller parameters:</b> Storage interface (SAS/SATA):</p> <ul style="list-style-type: none"> <li>• 8 SAS lanes across 2x4 internal Mini-SAS ports</li> <li>• 12 Gb/s SAS, 6 Gb/s SATA technology</li> <li>• Mix-and-match SAS and SATA drives to the same controller</li> <li>• Support for SAS tape drives</li> </ul> <p>2GB FBWC</p> <p>PCI Express 3.0 x8 link</p> <p>RAID 0, 1, 5, 6, 10, 50, 60, 1 Advanced Data Mirroring (ADM), 10 ADM</p> <p>Mixed mode (RAID logic drives and HBA physical drives simultaneously)</p> <p>Legacy and UEFI boot operation</p> <p>UEFI System Utilities (Storage configuration)</p> <p>Up to 238 physical drives</p> <p>Up to 64 logical drives</p> <p>Smart Array SR SmartCache (Optional license)</p>	<ul style="list-style-type: none"> <li>• SUSE Linux Enterprise Server (SLES): 12 SP3, 15 (includes Xen)</li> <li>• Ubuntu: 18.04 LTS (4.15.0)</li> <li>• Oracle Linux: Oracle Linux 7.6 UEK Release 5 Update 2; Oracle VM 3.4.6 (UEK Release 4 Update 7)</li> <li>• Citrix: Hypervisor: 8,0, 8.1, 8.2; XenServer 7.1, 7.4, 7.5, 7.6</li> </ul> <p><b>HDD:</b> 2x 600GB 10K RPM SAS 12Gbps 512n 2.5in Hot-plug Hard Drive</p> <p><b>HBA Parameters:</b> Emulex LPe31002 Dual Port 16Gb Fibre Channel HBA, PCIe Low Profile, V2</p> <p><b>Raid Controller parameters:</b> Storage interface (SAS/SATA):</p> <ul style="list-style-type: none"> <li>• 8 SAS lanes across 2x4 internal Mini-SAS ports</li> <li>• 12 Gb/s SAS, 6 Gb/s SATA technology</li> <li>• Mix-and-match SAS and SATA drives to the same controller</li> <li>• Support for SAS tape drives</li> </ul> <p>2GB FBWC</p> <p>PCI Express 3.0 x8 link</p> <p>RAID 0, 1, 5, 6, 10, 50, 60, 1 Advanced Data Mirroring (ADM), 10 ADM</p> <p>Mixed mode (RAID logic drives and HBA physical drives simultaneously)</p> <p>Legacy and UEFI boot operation</p> <p>UEFI System Utilities (Storage configuration)</p> <p>Up to 238 physical drives</p> <p>Up to 64 logical drives</p> <p>Smart Array SR SmartCache (Optional license)</p>	
--	--	--	--	---	--

				<p>Smart Array SR Secure Encryption (Optional license)</p> <p>SSD Smart Path</p> <p>Rapid Parity Initialization (RPI)</p> <p>Rapid rebuild</p> <p>Drive sanitize</p> <p>Performance optimization degraded reads and read coalescing</p> <p><b>Raid controller Performance:</b></p> <p>12 Gb/s SAS (1200 MB/s theoretical bandwidth per SAS lane)</p> <p>6 Gb/s SATA (600 MB/s theoretical bandwidth per SAS lane)</p> <p>PCI Express 3.0 x8 link width</p> <p>2GB 72-bit wide DDR4-2100 FBWC provides up to 16.8 GB/s maximum cache bandwidth</p> <p>Read ahead caching</p> <p>Write-back caching</p> <p><b>Array configuration features:</b></p> <p>Expand Array</p> <p>Heal Array</p> <p>Move Drives</p> <p>Re-Mirror Array</p> <p>Shrink Array</p> <p>Spare Management</p> <p>Split Mirrored Array</p> <p><b>Logical drive configuration features:</b></p> <p>Extend Logical Drive</p>	<p>Smart Array SR Secure Encryption (Optional license)</p> <p>SSD Smart Path</p> <p>Rapid Parity Initialization (RPI)</p> <p>Rapid rebuild</p> <p>Drive sanitize</p> <p>Performance optimization degraded reads and read coalescing</p> <p><b>Raid controller Performance:</b></p> <p>12 Gb/s SAS (1200 MB/s theoretical bandwidth per SAS lane)</p> <p>6 Gb/s SATA (600 MB/s theoretical bandwidth per SAS lane)</p> <p>PCI Express 3.0 x8 link width</p> <p>2GB 72-bit wide DDR4-2100 FBWC provides up to 16.8 GB/s maximum cache bandwidth</p> <p>Read ahead caching</p> <p>Write-back caching</p> <p><b>Array configuration features:</b></p> <p>Expand Array</p> <p>Heal Array</p> <p>Move Drives</p> <p>Re-Mirror Array</p> <p>Shrink Array</p> <p>Spare Management</p> <p>Split Mirrored Array</p> <p><b>Logical drive configuration features:</b></p> <p>Extend Logical Drive</p>	
--	--	--	--	---	---	--



			<p>Instant Secure Erase</p> <p>Migrate RAID/Stripe Size</p> <p>Modifying Cache Write Policy</p> <p>Move Logical Drive</p> <p>Re-enable Failed Logical Drive</p> <p><b>Fault prevention features:</b></p> <p>Predictive drive failure detects possible drive failure before it occurs, allowing replacement of the component before failure occurs</p> <p>Background surface scan checks drives during inactive periods and automatically remaps badsectors, ensuring data integrity</p> <p>Smart SSD Wear Gauge reports the amount of lifetime remaining on users SSDs</p> <p><b>Fault recovery:</b></p> <ul style="list-style-type: none"> <li>• <b>Recovery ROM:</b> This feature protects the user from a firmware image corruption by storing a redundant copy of the firmware image. If the active firmware image becomes corrupt, the controller will use the redundant firmware image and continue operating.</li> <li>• <b>On-Line Spares:</b> There is no limit to the number of spare drives that can be installed prior to drive failure. If a failure occurs, recovery begins with an On-Line Spare and data is reconstructed automatically</li> <li>• DRAM ECC detects and corrects data bit errors.</li> </ul> <p>SSD Smart Path feature included in the Smart Array software stack improves Solid State Disk (SSD) read performance by up to 4x. Smart Path chooses the optimum path to the SSD and</p>	<p>Instant Secure Erase</p> <p>Migrate RAID/Stripe Size</p> <p>Modifying Cache Write Policy</p> <p>Move Logical Drive</p> <p>Re-enable Failed Logical Drive</p> <p><b>Fault prevention features:</b></p> <p>Predictive drive failure detects possible drive failure before it occurs, allowing replacement of the component before failure occurs</p> <p>Background surface scan checks drives during inactive periods and automatically remaps badsectors, ensuring data integrity</p> <p>Smart SSD Wear Gauge reports the amount of lifetime remaining on users SSDs</p> <p><b>Fault recovery:</b></p> <ul style="list-style-type: none"> <li>• <b>Recovery ROM:</b> This feature protects the user from a firmware image corruption by storing a redundant copy of the firmware image. If the active firmware image becomes corrupt, the controller will use the redundant firmware image and continue operating.</li> <li>• <b>On-Line Spares:</b> There is no limit to the number of spare drives that can be installed prior to drive failure. If a failure occurs, recovery begins with an On-Line Spare and data is reconstructed automatically</li> <li>• DRAM ECC detects and corrects data bit errors.</li> </ul> <p>SSD Smart Path feature included in the Smart Array software stack improves Solid State Disk (SSD) read performance by up to 4x. Smart Path chooses the optimum path to the SSD and</p>	
--	--	--	--	--	--

				<p>accelerates reads for all RAID levels and RAID 0 writes.</p> <p><b>Operating systems support:</b></p> <ul style="list-style-type: none"> <li>• Microsoft Windows Server</li> <li>• Microsoft Windows Hyper-V Server</li> <li>• VMware vSphere ESXi</li> <li>• Red Hat Enterprise Linux (RHEL)</li> <li>• SUSE Linux Enterprise Server (SLES)</li> <li>• Oracle Solaris</li> <li>• Oracle Linux</li> <li>• Clear OS</li> <li>• Cent OS</li> <li>• Citrix XenServer</li> </ul> <p><b>Raid controller management software available</b></p> <p>Sau echivalent: HPE ProLiant DL360 Gen10 (SKU # P24743-B21)</p>	<p>accelerates reads for all RAID levels and RAID 0 writes.</p> <p><b>Operating systems support:</b></p> <ul style="list-style-type: none"> <li>• Microsoft Windows Server</li> <li>• Microsoft Windows Hyper-V Server</li> <li>• VMware vSphere ESXi</li> <li>• Red Hat Enterprise Linux (RHEL)</li> <li>• SUSE Linux Enterprise Server (SLES)</li> <li>• Oracle Solaris</li> <li>• Oracle Linux</li> <li>• Clear OS</li> <li>• Cent OS</li> <li>• Citrix XenServer</li> </ul> <p><b>Raid controller management software available</b></p>	
--	--	--	--	--	---	--

Numele, Prenumele: Vitalie Bîrsan

În calitate de: Administrator

Ofertantul: Reliable Solutions Distributor S.R.L.

Adresa: str. Alexandru cel Bun 85, MD-2012, mun Chisinau, Republica Moldova