

**Matricea de conformitate conform cerințelor solicitate conform caiet de sarcini pentru
“Sisteme de informare și servere” Lotul 1**

Cod CPV	Denumirea bunurilor solicitate	Specificarea tehnică deplină solicitată, Standarde de referință	Specificarea tehnică oferită deplină solicitată, Standarde de referință
Lotul 1: Sisteme de informare și servere			
	<p>Enterprise Server</p>	<p>Type Enterprise Server Form Factor Rack mount, max 2U (rail-kit included)</p> <p>CPU Included 2 x CPU; Min 20 core per CPU; Min 40 Threads, Min 3.10 GHz; min 35 MB Cache; Launch Date not earlier than 2020; Memory Min 24 DDR4 slots Memory installed Min 12 x 32GB DDR4</p> <p>Min drive bays Min 24 bays 2.5 for data, support Hot- Swappable/Hot-Plug; Min 2 bay for OS in raid 1; Storage installed Min 2 x 1.6TB SSD, Mixed-use, SAS 12Gb/s; Min 14 x3.84TB SSD, SAS 12Gb/s; Min 2 x 32Gb SD/SSD/HDD/microSDHC/SDXC for OS, supporting RAID I redundancy.</p> <p>RAID Controller Support Pass-through mode; Installed controller 12Gbps SAS HBAs (non-RAID) for 24 bays; VMware vSAN certified în Pass-through mode.</p> <p>NICs included Min 2 x IGE; Min 4 x 10GE SFP+, identical, network virtualization offload with installed SFP+ module 10GE SR MM; Min 4 x SFP+ SR MM (Cisco Compatible).</p> <p>Supported operating environments: Microsoft Windows Server®; Red Hat® Enterprise Linux; SUSE® Linux Enterprise Server; VMware® (VMware® vSphere, VMware® vSAN); Microsoft Hyper-V; Citrix XenServer.</p> <p>Interfaces Min 1 port VGA; Min 2 port USB 3.0;</p> <p>Power supplies included 2 hot-plug PSU with support for 1+ 1 redundancy with power cables c13-c14(0.6 m)</p> <p>Fan Modules hot-swappable with N+ I redundancy</p> <p>Management</p>	<p>Produsul oferit: Gigabyte R281-200 Form Factor Rack mount, PowerEdge 2U Standard Bezel, Ready Rails Sliding Rails with Cable Management Arm, Chassis with Up to 24 x 2.5" Hard Drives for 2CPU; 2x Intel Xeon Gold 6242R 3.1G, 20C/40T, 35.75M Cache, Turbo, HT (205W) DDR4-2933, Launch date Q1'20; Memory 24 DDR4 slots Memory installed 12x 32GB RDIMM, 2933MT/s, Dual Rank; Drive bays 24 bays 2.5 for data, with hardware raid controller, Support Hot-Swappable; 2 bay for OS</p> <p>Storage installed: 2x Micron 1300 256GB SATA 2.5" SATA 6.0 Gb/s 530 MB/s / 520 MB/s 2x Micron 5300 PRO 1920GB 2.5" SATA 6.0 Gb/s 540 MB/s / 520 MB/s 14x Micron 5300 PRO 3840GB 2.5"RAID SATA 6.0 Gb/s 540 MB/s / 520 MB/s</p> <p>Controller Broadcom SAS3108 H/W RAID Card (32-PD) 2 x Internal Mini-SAS HD SFF8643 connectors Up to 8 x SAS 12Gb/s ports Up to 32 x physical devices supported via SAS expander Broadcom SAS3108 Hardware RAID 0/1/5/6/10/50/60 2GB DDR3 cache memory (Optional) CacheVault Flash Cache Protection Module PCIe x8 slot (3.0 x8 bus) Support RAID 0, 1, 5, 6, 10, 50, 60; Support Pass-through mode; PERC H730P RAID Controller, 2GB NV Cache, Adapter, Low Profile; NICs included: 1 x 1 GE management, iDRAC9, Enterprise; 1 x Broadcom 5720 Dual Port 1GbE BASE-T Adapter, PCIe Full Height; 1 x Intel X710 Quad Port 10GbE SFP+, rNDC; 8x SFP+, SR, Optical Transceiver, 10GBASE-SR SFP Module, Cisco Compatible; Supported operating environments Microsoft Windows Server®: Red Hat® Enterprise Linux; Novell SUSE® Linux Enterprise Server; Oracle Linux; Ubuntu;</p>

	<p>A web-based solution for KVM must be included with full functionality for manage and monitoring, including at least:</p> <ul style="list-style-type: none"> - View information about the state of the managed server. - Inventory and monitoring of network adapters and data storage subsystems without software agents in the OS. - View inventory information. - View information from sensors. - Monitoring and control of electricity consumption. - Turn on / off the server. - Remote update of BIOS, firmware of network and RAID controllers. - Virtual console, virtual media devices. - OS installation from virtual media devices and through network shared folders. <p>Warranty Hardware and software support and warranty from vendor, with available customer portal, included for min 3 years.</p> <p>Terms and conditions All requirements are minimum and mandatory; One requirement must not limit another requirement; All components must be current and not advertised as EOS / EOL; The expansion of memory(ram) and storage capacity must not include any hardware or software limitations.</p>	<p>CentOS; VMware® vSphere, Microsoft Hyper-V; Interfaces Front 2 port USB; Power supplies included Dual, Hot-plug, Redundant Power Supply (1+1), 750W, 2x C13 to C14, PDU Style, 10 AMP, 6.5 Feet (2m), Power Cord; Fan Modules 6 Performance Fans hot-swappable with N+1 redundancy; Management A web-based solution for KVM is included; Warranty Hardware and software support from vendor, with available customer portal, next business day hardware replacement included for 3 years.</p>
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