

Specificații tehnice (F4.1)

Numărul procedurii de achiziție: [ocds-b3wdp1-MD-1595854052457](#)

Denumirea procedurii de achiziție: Servere pentru calculatoare

Cod CPV	Denumirea bunurilor	Model articol	Țara de origine	Producătorul	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertant	Standard de referință
1	2	3	4	5	6	7	8
48822000-6	Lotul nr. 1: Enterprise server	FusionServer Pro 2288H V5	China	Huawei	Type: Enterprise Server Form Factor: Rack mount, max 2U (rail-kit included) CPU Included: 2 x CPU; Min 14 core per CPU; Min 2.5GHz; min 18MB Cache Memory: Min 24 DDR4 slots Memory installed: Min 6 x 32GB DDR4 Min drive bays: Min 24 bays 2.5 for data, with hardware raid controller, Support Hot-Swappable; Min 1 bay for OS; Storage installed: Min 3 x 800Gb SSD, Mixed-use, SAS 12Gb/s Min 21 x 2.4Tb SAS, min 10k rpm, SAS 12Gb/s Min 1 x 32Gb SD/SSD/HDD for OS RAID Controller: Support Pass-through mode; VMware vSAN certified NICs included: Min 1 x 1GE management; Min 2 x 1GE; Min 4 x 10GE SFP+, identical, network virtualization offload, including VXLAN, NVGRE, MPLS; Min 8 x SFP+ SR MM (Cisco Compatible) Supported operating environments: Microsoft Windows Server®; Red Hat® Enterprise Linux; Novell SUSE® Linux Enterprise Server; Oracle Linux; Ubuntu; CentOS; VMware® (VMware®)	Conform Anexa nr.1 la Specificatii tehnice (F4.1)	EN 60950-1; EN 55032; EN 55024; EN 61000-6-2

					<p>vSphere, VMware® vSAN); Microsoft Hyper-V; Interfaces: Min 2 port USB Power supplies included: 2 hot-plug PSU with support for 1+1 redundancy with power cables c13-c14(0.6 m) Fan Modules: hot-swappable with N+1 redundancy Management: A web-based solution for KVM must be included Warranty: Hardware and software support from vendor, with available customer portal, next business day hardware replacement included for min 3 years</p>		
48822000-6	<p>Lotul nr. 2: Dispozitiv securizat de creare a semnăturii electronice de tip HSM</p>	<p>CryptoServer LAN V5 AC with CryptoServer Se500 Gen 2 module</p>	Germany	UTIMACO	<p>Cryptography algorithms Support for FIPS-approved and NIST recommended algorithms, modes, curves, and key sizes for RSA (up to 8192, sizes 2048, 3072 and 4096 are mandatory), DSA, Diffie-Hellman, AES, SHA-2 family, and Elliptic Curve Cryptography (ECC); NIST compliant Hardware Random Number Generator; Asymmetric algorithms: RSA, DSA, Diffie-Hellman, Elliptic Curve Cryptography (ECDSA, ECDH, Ed25519, ECIES); Symmetric algorithms: AES, AES-GCM, DES, Triple DES, ARIA, SEED, RC2, RC4, RC5, CAS; Hash/message digest: MD5, SHA-1, SHA-2 (224, 256, 384, 512 bit), HAS-160, RIPEMD160 API Support PKCS#11 Microsoft CAPI and CNG Java (JCA or JCE) Performance RSA-2048 signing ops > 8,000 ECC P256 signing ops > 8,000 AES-GCM small packet encryption ops > 5,000 Storage Partitioning/virtual device/tenant support for logical delimitation of key pairs (> 50 partitions) Memory > 8MB Supported Operating Systems Windows Server: 2012R2, 2016, 2019 Linux: RHEL / CentOS 6, 7, 8.</p>	<p>Cryptographic algorithms RSA, DSA, ECDSA with NIST and Brainpool curves DH, ECDH with NIST and Brainpool curves AES, Triple-DES, DES MAC, CMAC, HMAC SHA-1, SHA2-Family, SHA3, RIPEMD Hash-based deterministic random number generator (DRG.4 acc. AIS 31) True random number generator (PTG.2 acc. AIS 31) Up to 10,000 RSA or 6,000 ECDSA signing operations in bulk processing mode Application programming interfaces (APIs) PKCS#11 Java Cryptography Extension (JCE) Microsoft Crypto API (CSP), Cryptography Next Generation (CNG) and SQL Extensible Key Management (SQLEKM) Cryptographic eXtended services Interface (CXI) – Utimaco’s high performance interface ensures easy integration of cryptographic functionality into client applications Security, safety, environmental compliance FIPS 140-2 Level 3 CE, FCC Class B UL, IEC/EN 60950-1 CB certificate RoHS II, WEEE PCIe card physical specifications</p>	<p>EN 60950-1; FIPS 140-2 Level 3</p>

					<p>Security</p> <p>Certified FIPS 140-2 Level 3 Multi-Tenancy support Remote Management Network Interface</p> <p>Minimum 2x Gigabit Ethernet ports IPv4 and IPv6</p> <p>Physical Characteristics</p> <p>Standard 1U/2U rack mount chassis</p> <p>Input Voltage: 100-240V, 50-60Hz</p> <p>Temperature: operating 0°C – 35°C, storage -20°C – 60°C</p> <p>Relative Humidity: 5% to 95% (38°C) noncondensing</p> <p>Safety and Environmental Compliance FCC, CE, UL, RoHS</p> <p>Reliability</p> <p>Dual hot-swap power supplies Field-serviceable components</p> <p>Mean Time Between Failure for security module(MTBF) over 300,000 hrs Management and Monitoring</p> <p>Remote configuration, administration, and monitoring</p> <p>High-Availability disaster recovery Backup and restore using FIPS 140-2 Level 2 Backup HSM</p> <p>Secure audit logging</p> <p>SNMP monitoring and diagnostics Syslog diagnostics support</p> <p>Warranty policy and support Minimum 1 year of warranty and tech support</p>	<p>Half-length, full-height single lane PCI Express card</p> <p>Supports PCIe 1.1, PCIe 2.0 and PCIe 3.0 slots</p> <p>Operating voltage: 3.3 V</p> <p>3 V lithium battery, Ø 12 mm, length 600 mm, FDK CR 12600</p> <p>SE or VARTA CR2NP</p> <p>USB interface</p> <p>Operating temperature: +10°C to +45°C (+50°F to +113°F)</p> <p>Storage temperature: -10°C to +55°C (+14°F to +131°F)</p> <p>Relative humidity: 10% to 95%, non-condensing</p> <p>MTBF 360,000 hours at 25°C / 77°F</p> <p>Network appliance physical specifications</p> <p>19" 1U form factor</p> <p>Redundant field-replaceable power supply: 2 x 100 ~ 240 V AC, 50 ~ 60 Hertz, 300 W</p> <p>Power consumption: typically 45 W / 66 VA, max. 50 W / 70 VA</p> <p>Heat dissipation: max. 171 BTU/h</p> <p>2 RJ45 1 Gb/s network interfaces</p> <p>Features</p> <p>Secure key storage and processing</p> <p>Extensive key management</p> <p>Secure key storage inside HSM or as external encrypted key files</p> <p>2-factor authentication with smartcards</p> <p>"m out of n" authentication (e.g. 3 out of 5)</p> <p>Configurable role-based access control and separation of functions</p> <p>Multi-tenancy support</p> <p>Remote management</p> <p>Software simulator for evaluation and integration testing</p> <p>Supported operating systems: Windows and Linux</p> <p>Multiple integrations with PKI applications, database encryption, etc.</p> <p>Warranty</p> <p>1 year of warranty and tech support</p>	
	TOTAL						

Semnat: _____ Numele, Prenumele: Victor Baciu În calitate de: Administrator
Ofertantul: SC Rapid Link SRL Adresa: mun. Chisinau, MD-2028, str. Gh. Asachi 71/7