

PŘÍLOHA Č. 5

Položkový seznam dodávaného hardware a systémového software

Značka výrobce zařízení nebo software	Part number nebo jiné jednoznačné označení komponenty nebo software výrobcem, v případě modularity i moduly nebo typ licence	Kapacitní parametry (pokud je možné uvést)	Výkonnostní parametry (pokud je možné uvést)	Počet MJ	MJ	Poznámka
1. Virtualizační servery xFusion 1288H V7						
xFusion	0231Y091	1288H V7 (8*2.5 inch HDD Chassis) H12H-07(For oversea)		6,0	ks	
xFusion	0231Y265	900W Titanium AC Power Module Spare Part		12,0	ks	
xFusion	0253Y798	Intel Xeon Gold 6526Y(2.8GHz/16- Core/37.5MB/195W) Emerald CPU 2.8GHz/16-Core Rapids MCC CPU (with 1U heat pipe heatsink)		12,0	ks	
xFusion	0620Y006-006	DDR5 RDIMM DRAM-64GB- 4800MT/s-1.1V-ECC- 2Rank(4G*4bit)		48,0	ks	
xFusion	0255Y417	SSD,480GB,SATA 6Gb/s,Read Intensive,PM893 Series,2.5inch(2.5inch Drive Bay)		12,0	ks	
xFusion	0302Y085	XC383 BC53ETHG-OCP3.0 Ethernet Card-10GE(CX-4 Lx)-Dual Port-SFP+(without optical module)-PCIE 3.0 X8- Vendor ID 15b3-Device ID 1015-2-Subvendor ID 1f24- Subdevice ID 200d		12,0	ks	
xFusion	0258Y018	1*16X SLOT(PCIE5.0) module		6,0	ks	

xFusion	0258Y019	1*16X SLOT(PCIe4.0)+1*16X SLOT(PCIe4.0) module	6,0 ks
xFusion	0231Y809	XP330 Ethernet Adapter,10Gb Optical Interface(Intel X710),2- Port,SFP+(without Optical Transceiver),Half-height Half- length(included Half Handle bars and Full Handle bars),PCIe 3.0 x8	6,0 ks
xFusion	0231Y735	PCIe 4.0 X8-Vendor ID 1000- Device ID 10E6-1-Subvendor ID 1000-Subdevice ID 40D5- 12G SAS RAID-9540-8i	6,0 ks
xFusion	0231Y193	4056+ Fan module	48,0 ks
xFusion	0405Y021	High Speed Cable,HS Cable Slimline-2*mini SAS HD,0.85m&0.75m,Slimline X8 STR,2*((31AWG*1Pair+31A WG*2Drain)*8+31AWG*1Pair*4),2*Internal mini SAS HD R/A,Slimline-2*mini SAS HD Optical	6,0 ks
xFusion	3406Y006	transceiver,SFP+,850nm,10G b/s,-7.3~-1dBm,-9.9dBm,LC, MM.0.3km	36,0 ks
xFusion	21243789	Ball Bearing Rail Kit(Direct delivery material)	6,0 ks
xFusion	21244108	Cable Management Arm(Direct delivery material)	6,0 ks
xFusion	0405G019	Power Cords Cable,Europe AC 250V10A,1.8m,C14SM,H05V V-F- 3*1.00^2,C13SF,PDU Cable	12,0 ks

2. Disková uložisti: provozních
systemů

OceanStor 5310

Huawei	02355HJX	5310 (2U,Dual Ctrl,SAS,AC\240V HVDC,128GB Cache,8*1Gb ETH,8*10Gb ETH(Including Multi-Mode SFP+),4*(4*12Gb) SAS,25*2.5 Inch,SPE36C0225)	2,0 ks
Huawei	03050GXS	4 ports SmartIO I/O module(SFP28,25Gb ETH)	4,0 ks
Huawei	02355GAG	3.84TB SSD SAS Disk Unit(2.5")	Tier0: Čistá využitelná kapacita SSD 27,21TB (24,75 TiB) geometrie RAID6 + hotspare kapacita odpovídající kapacitě 1x SSD disk, 128000 IOPS při charakteristice zátěže 70% čtení / 30% zápis, velikost bloku 8KB, max. latence 0.63ms 24,0 ks
Huawei	02352WQA	14TB 7.2K RPM NL-SAS Disk Unit(3.5")	Tier2: Čistá využitelná kapacita NLSAS 113TB (102 TiB) geometrie RAID6 + hotspare kapacita odpovídající kapacitě 1x SSD disk 24,0 ks
Huawei	02352TKG	SAS Disk Enclosure(4U,AC\240V HVDC,3.5",Expansion Module,24 Disk Slots,Without Disk Units,DAE62435U4)	2,0 ks
Huawei	14130858	Patch Cord,DLC/PC,DLC/PC,Multi- mode,3m,A1a.2,2mm,42mm DLC,OM3 bending insensitive	32,0 ks
Huawei	04052252	High Speed Cable,48G Mini SAS HD Cable,3m,SFF 8644 Plug,28AWG*4P*2B(S),SFF 8644 Plug,Indoor,SAS 3.0,LSZH,EEPROM	4,0 ks

Huawei	88037JMJ	SAN Advanced License(Including Acceleration,Thin,Migration,Snapshot,Replication,Clone,QoS,Erase,DME IQ,UltraPath,Virtualization,Metro,CDP,Multi-Tenant)	2,0 ks
Huawei	88037JMH	NAS Advanced License(Including Acceleration,CIFS,NFS,NDMP,Thin,Snapshot,Replication,Clone,QoS,Erase,Metro,CDP,DME IQ,Audit,DNS,Worm,Vault,Quota,Multi-Tenant)	2,0 ks
Seyfor	EUEx-EUBA	ELDAx STORAGE UnLIMITED ENTERPRISE /BASE	4,0 ks
Seyfor	EUEx-EUEL	ELDAx STORAGE UnLIMITED ENTERPRISE /ELF	4,0 ks

3. Disková pole pro zálohování **OceanProtect X3000**

Huawei	02355MFD	OceanProtect X3000 (2U, Dual Controllers, SAS, AC\240V HVDC, 256GB Cache, 8*1Gb ETH,4*10Gb ETH(Including Multi-Mode SFP+),4*SAS3.0 Port,12*3.5 Inch,SPE26C0212)	1,0 ks
Huawei	03050LQF	4 ports SmartIO I/O module(SFP28,25Gb ETH)	2,0 ks
Huawei	02356ASG	1.92TB SSD SAS Disk Unit(3.5")	6,0 ks
Huawei	02355QKU	14TB 7.2K RPM NL-SAS Disk Unit(3.5")	14,0 ks
		Čistá nedeuplikovaná kapacita (kapacita po odečtení kapacity paritních mechanismů a hot-spare kapacity) 138TB (126 TiB)	
Huawei	02355XAK	SAS Disk Enclosure(4U,AC\240V HVDC,3.5",Expansion Module,24 Disk Slots,Without Disk Units,DAE62435U4)	1,0 ks

Huawei	88038JKR	Dedicated Backup Storage Software Essential License(including 40 TB capacity license)	1,0 ks
Huawei	88038JKS	Dedicated Backup Storage Software Capacity License(Per TB)	156,0 ks

5. LAN core switch	Huawei S6750-H48Y8C
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Huawei	02355UEL	S6750-H48Y8C (48*25GE SFP28 ports, 8*100GE QSFP28 ports, without power module)	Celkový počet portů 40G/100GE QSFP28: 8, 1/10G/25GE SFP: 48	4,0 ks
Huawei	02313BUS	600W AC Power Module(Back to Front, Power panel side exhaust)		8,0 ks
Huawei	88037BNN	S67XX-H Series Basic SW,Per Device		4,0 ks
Huawei	02313URQ	100GBase-SR4 Optical Transceiver,QSFP28,100G,M ulti-mode (850nm,0.1km,MPO)		8,0 ks
OEM	SFP-PLUS-SR-HUA	SFP+ transceiver 10GBASE- SR/SW, multirate, MM, OM3- 300/OM2-82/OM1-33m, 850nm VCSEL, LC dup., DMI , HUAWEI komp.		60,0 ks
OEM	SFP28-SR-25G-HUA	SFP28 transceiver 10/ 25Gbps, MM, 850nm,100m (OM4), 3,3V,LC Duplex,0 až 70°C, DDM, Huawei kompatibilní		32,0 ks
OEM	SPB-2820WHUA-HTR	SFP+ WDM transceiver 10GBASE-BX, multirate, SM 20km, TX1270/RX1330nm, LC simp., DMI ,-40 - 80C,Huawei komp.		2,0 ks
OEM	SPB-2920WHUA-HTR	SFP+ WDM transceiver 10GBASE-BX, multirate, SM 20km, TX1330/RX1270nm, LC simp., DMI ,-40 - 80C,Huawei komp.		2,0 ks

6. LAN OOB switch	Huawei S5735-S24T4XE-V2
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Huawei	98012016	S5735-S24T4XE-V2 (24*10/100/1000BASE-T ports, 4*10GE SFP+ ports, 2*12GE stack ports, without power module)	Celkový počet LAN portů 1GE RJ45: 24, 10GE SFP+: 4	4,0 ks
Huawei	88037BNL	S57XX-S Series Basic SW,Per Device		4,0 ks
Huawei	02131754	180W AC Power Module		8,0 ks
OEM	SFP-PLUS-SR-HUA	SFP+ transceiver 10GBASE- SR/SW, multirate, MM, OM3- 300/OM2-82/OM1-33m, 850nm VCSEL, LC dup., DMI , HUAWEI komp.		8,0 ks

7. Network Load Balancing + WAF Progress Kemp LoadMaster LM-X25-NG

Progress Kemp	LM-X25-NG	LoadMaster LM-X25-NG	Aplikační propustnost L7: 25 Gbps, Bulk encryption propustnost: 20 Gbps, SSL TPS (2K klíče): 25 000 tps	2,0 ks
Progress Kemp	ENP-LM-X25-NG	1 Year Enterprise Plus Subscription for LoadMaster LM-X25-NG - RNW		4,0 ks
Progress Kemp	ENP3-LM-X25-NG	3 Year Enterprise Plus Subscription for LoadMaster LM-X25-NG		2,0 ks
Progress Kemp	FM-ACC-HW-10G-SFP-SR	SFP+ transceiver optický 10GBase-SR, MM, 850nm, 300m		8,0 ks

8. HSM: moduly a software pro
pečetění a overení pravosti
vydaných dokumentů

Thales	908-000366-003-000	Luna Network HSM A700 (PWD,Standard perf,2MB,5 Partitions MAX,FM Ready, GRK16,SW7.2.0,FW 7.0.3/7.2.0)	Výkonnost 1000 tps (RSA 2048 bit)	2,0 ks
Thales	908-000402-001-001	Client Licenses,Luna Network HSM 7		2,0 ks
Thales	908-000451-003-000	Thales Luna Backup HSM B700 (32Mb,100 Partitions,FW 7.7.2,LG7-02)		1,0 ks

Thales	908-000344-001-000	Sliding Rails,Luna Network HSM	2,0 ks
Seyfor	EUEX-EUQS	ELDAx STORAGE UnLIMITED ENTERPRISE /HSMConn	4,0 ks
Seyfor	EUEX-EUVS	ELDAx STORAGE UnLIMITED ENTERPRISE /Validation	4,0 ks
CA eIdentity	TIMESTAMP	Kvalifikovaná časová razítka	500000,0 ks

9. Firewally + IPS **Fortinet FortiGate-201F**

Fortinet	FG-201F	FortiGate-201F 18 x GE RJ45 (including 1 x MGMT port, 1 X HA port, 16 x switch ports), 8 x GE SFP slots, 4 x 10GE SFP+ slots, NP6X Lite and CP9 hardware accelerated, 480GB onboard SSD storage.	Firewall disponuje propustností firewall (1518B UDP): 27 Gbps	2,0 ks
Fortinet	FC-10-F201F-928-02-60	FortiGate-201F 5 Year Advanced Threat Protection (IPS, Advanced Malware Protection Service, Application Control, and FortiCare Premium)		2,0 ks
Fortinet	FN-TRAN-SFP+SR	10GE SFP+ transceiver module, short range 10GE SFP+ transceiver module, short range for systems with SFP+ and SFP/SFP+ slots		8,0 ks

10. Provozní monitoring **Nagios**

OpenSource - Community Editi	Nagios	Nagios Community Edition	2,0 ks
OpenSource - Community Editi	Debian	Debian 12	2,0 ks

11. Software pro zálohování **OceanProtect X3000 licence**

Huawei	88038JWJ	Data Backup Capacity License(Per TIB)	126,0 TIB
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12. Advanced log manager **Wazuh:SIEM**

OpenSource - Community Editi	Wazuh	Wazuh SIEM	1,0 ks
OpenSource - Community Editi	Ubuntu	Ubuntu 22	3,0 ks

13. Datový rozvaděč – RACK **RACK 42U + PDU**

Contex	RSG4-42-19/74-LF-H	Dvojitý otevřený rám 42U (2055mm), š. 550mm, h. 710-890mm	1,0 ks
CyberPower	PDU20BHVIEC12R	CyberPower Rack Mount Basic PDU,C20->12x C13,16A,1U	4,0 ks

14. Záložní zdroje UPS **APC Smart-UPS 3000VA**

APC	SRT3000RMXLI-NC	APC Smart-UPS SRT 3000VA RM 230V, On-Line, 2U, Rack Mount (2700W) Network Card	4,0 ks
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15. Software pro virtualizaci **Huawei DCS Virtualization Suite**

Huawei	88033KRL	DCS Virtualization Suite Advanced Edition License,per CPU	12,0 ks
Microsoft	P71-09389	Windows Svr Datacntr 2022 64Bit ENG 16 Core OEM	12,0 ks

17. Vybavení uživatelských prací **Dell Latitude 5540**

Dell	Dell Latitude 5540	Dell Latitude 5540: i5- 1340P/1x16GB/1TB, 15.6", numerická klávesnice	Intel Core i5-1340P PassMark – CPU Mark 19 129 Základní frekvence 1,9GHz	16,0 ks
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18. Velkoformátový displej **LG 86UR8100**

LG	LG 86UR81003	LG 86UR81003	Úhlopříčka 86", 3840 x 2160 (4K UHD), 100Hz	1,0 ks
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