

Set number	Parameter	Quantity
1	X86_R_2S_SMALL 2x-socket server, rack-mounted, 2U, with redundant hot-swappable components Type 2S SMALL/SDS MONITORING/SDS RGW (16 CORE 256GB RAM 960GB SSD)	
	CPU	Intel Xeon (at least 8 cores, at least 2.1 GHz, TDP<110)
	RAM	256GB RAM
	Storage device with hot swap	SSD,960GB,Read Intensive (raid1+spare)
	Raid-controller (Raid 1-10-5, +Spare)	
	Raid-controller cache 1GB+Backed Write Cache	
	Port LAN	Ethernet 1GbE
	Port LAN	Ethernet 10/25 Gigabit,64bit,SFP28
	Port SAN	HBA FC (≥32 Gbit)
	Port USB	≥ 2.0
	Graphic adapter	Compatible with target OS
	Power supply with C13/C14 outputs	redundant 2N with hot swap
	Fan	redundant with hot swap
	Module of remote management of Ethernet port	
	Rack mounting kit	
	Cable arm for laying cables to the server	
	Size	Comply with the standard of rack placement 19" EIA-310-E
Certified OS versions, not lower than the specified	RHEL 7.9, 8.6, Windows Server 2019	
4	X86_R_2S_BIGDATA 2x-socket server, rack-mounted, 2U, with redundant hot-swappable components Type BIGDATA (32 CORE 512GB RAM 72TB RAW HDD)	
	CPU	Intel Xeon (at least 16 cores, at least 2.1 GHz, TDP<140)
	RAM	512GB RAM
	Storage device with hot swap	SSD,240GB,Read Intensive (raid1+spare)
	Storage device with hot swap	at least 72TB, SATA, 7.2K RPM
	Raid-controller (Raid 1-10-5, +Spare)	
	Raid-controller cache 4GB+Backed Write Cache	
	Port LAN	Ethernet 10/25 Gigabit,64bit,SFP28
	Port USB	≥ 2.0
	Graphic adapter	Compatible with target OS
	Power supply with C13/C14 outputs	redundant 2N with hot swap
	Fan	redundant with hot swap
	Module of remote management of Ethernet port	
	Rack mounting kit	
	Cable arm for laying cables to the server	
	Size	Comply with the standard of rack placement 19" EIA-310-E
	Certified OS versions, not lower than the specified	RHEL 7.9, 8.6
5	X86_R_2S_GPU_STANDART_A100 2x-socket server, rack-mounted, 2U, with redundant hot-swappable components Type GPU STANDART A100 (32 CORE 512GB RAM 11TB HDD+SSD+NVMe WITH GPU A100)	
	CPU	Intel Xeon (at least 16 cores, at least 2.1 GHz, TDP<140)
	CPU	Версия PCIe
	RAM	512GB RAM
	Storage device with hot swap	SSD,240GB,Read Intensive (raid1+spare)
	NVMe disk with hot swap	1600GB SSD MixedUse,NVMe PCIe.3 DWPD
	Storage device with hot swap	at least 5TB Usable SATA (Raid5+Spare)
	Raid-controller (Raid 1-10-5, +Spare)	
	Raid-controller cache 1GB+Backed Write Cache	
	Port LAN	Ethernet 10/25 Gigabit,64bit,SFP28
	Port SAN	HBA FC (≥32 Gbit)
	Port USB	≥ 2.0
	Graphic adapter	Nvidia Tesla A100 80Gb/A800 80GB
	Power supply with C13/C14 outputs	redundant 2N with hot swap
	Fan	redundant with hot swap
	Module of remote management of Ethernet port	
	Rack mounting kit	
Cable arm for laying cables to the server		
Size	Comply with the standard of rack placement 19" EIA-310-E	
Certified OS versions, not lower than the specified	RHEL 7.9, 8.6	

	X86_R_2S_SDS_GENERAL 2x-socket server, rack-mounted, 2U, with redundant hot-swappable components Type SDS GENERAL (40 CORE 768GB RAM 100TB RAW HDD+SSD+NVME)	Parameter	Quantity
8	CPU	Intel Xeon (at least 20 cores, at least 2.3 GHz, TDP<160)	2
	RAM	768GB RAM	768 GB
	Storage devise with hot swap	SSD.240GB,Read Intensive (raid1)	2
	NVMe disk with hot swap	SSD.3200GB,NVMe PCIe,Mixed Use,3 DWPD	3
	Storage devise with hot swap	8000GB,SATA,7.2K rpm	12
	Raid-controller (Raid 1-10-5-6-50-60, +Spare)		1
	Raid-controller cache 4GB+Backed Write Cache		1
	Port LAN	Ethernet 1GbE	0 (нет требований)
	Port LAN	Ethernet 10/25 Gigabit, 64bit, SFP28	4
	Port USB	≥ 2.0	≥2
	Power supply with C13/C14 outputs	redundant 2N with hot swap	2N, but not more than 2 total
	Fan	redundant with hot swap	Redundancy of N+1 or 2N, sufficient to operate when half of the IP inputs are disconnected
	Module of remote management of Ethernet port		1
	Rack mounting kit		1
	Cable arm for laying cables to the server		1
	Size	Comply with the standard of rack placement 19" EIA-310-E	
	Certified OS versions, not lower than the specified	RHEL 7.9, 8.6	
	X86_R_2S_SDS_HOT 2x-socket server, rack-mounted, 2U, with redundant hot-swappable components Type SDS HOT (36 CORE 512GB RAM 115TB RAW SSD+NVME)	Parameter	Quantity
10	CPU	Intel Xeon (at least 18 cores, at least 3.0 GHz, TDP<210)	2
	RAM	512GB RAM	512 GB
	Storage devise with hot swap	SSD.240GB,Read Intensive	2
	NVMe disk with hot swap	SSD.6.4TB,NVMe PCIe,Mixed Use,3 DWPD	3
	Storage devise with hot swap	at least 75TB RAW SSD SAS, Mixed Use, 3 DWPD (допустима замена на NVMe накопители)	at least 12 дисков
	Raid-controller (JBOD)	Не обязательно при условии использования NVMe накопителей взамен 12 x 6.4 SSD	3
	Raid-controller загрузчика (Raid 1-10-5-6-50-60, +Spare)		0
	Raid-controller cache загрузчика 2GB+Backed Write Cache		0
	Port LAN	Ethernet 1GbE	0 (нет требований)
	Port LAN	Ethernet 10/25 Gigabit, 64bit, SFP28	4
	Port SAN	HBA FC (≥16 Gbit)	0
	Port USB	≥ 2.0	≥2
	Grahic adapter	Compatible with target OS	1
	Power supply with C13/C14 outputs	redundant 2N with hot swap	2N, but not more than 2 total
	Fan	redundant with hot swap	Redundancy of N+1 or 2N, sufficient to operate when half of the IP inputs are disconnected
	Module of remote management of Ethernet port		1
	Rack mounting kit		1
Cable arm for laying cables to the server		1	
Size	Comply with the standard of rack placement 19" EIA-310-E		
Certified OS versions, not lower than the specified	RHEL 7.9, 8.6		
	X86_R_4S_VW 2x/4x-socket server, rack-mounted, 2U, with redundant hot-swappable components Type VMWARE/OSE/OST (96 CORE 2048GB RAM 32+ GB HDD/SSD)	Parameter	Quantity
14	CPU	Total number of physical cores	at least 96
	CPU	Тактовая частота на ядро	at least 2.0 GHz
	CPU	Total TDP	≤ 660 W
	Mainboard	Топология NUMA	mesh
	RAM	2048GB RAM	2048 GB
	Hot-swappable bootloader hard drive	HDD/SSD, 32+ GB	2
	Raid-controller (Raid 1-10-5, +Spare)		1
	Raid-controller cache 1GB+Backed Write Cache		1
	Port LAN	Ethernet 1GbE	0
	Port LAN	Ethernet 10/25 Gigabit with support GENEVE-Offload and RSS, 64bit, SFP28	4
	Port SAN	HBA FC (≥32 Gbit)	2
	Port USB	≥ 2.0	≥2
	Grahic adapter	Compatible with target OS	1
	Power supply with C13/C14 outputs	redundant 2N with hot swap	2N, but not more than 2 total
	Fan	redundant with hot swap	Redundancy of N+1 or 2N, sufficient to operate when half of the IP inputs are disconnected
	Module of remote management of Ethernet port		1
	Rack mounting kit		1
Cable arm for laying cables to the server		1	
Size	Comply with the standard of rack placement 19" EIA-310-E		
Certified OS versions, not lower than the specified	ESXi 7.0, Ubuntu 18.04		