

Kategorija	Oprema	Proizvod
Video	DVR for ip cameras	
	IP cameras for video surveillance such as hikvision	
		IP cameras hikvision
		IP Camery Hikvision for doors
		IP cameras with wifi, external
		Video surveillance cameras
	video camera	HD 4K camcorder, 20 MP in a set with an external microphone, remote control, for underwater shooting Victure AC700 (memory card 128)
		Video recorder
	GoPro action cameras	
	Hidden wifi webcams	GoPro HERO 10 Black camcorder (CHDHX-101-RW) + 128 memory card With a connection to a power outlet with a built-in power supply unit
Photo camera	Mirror camera; Matrix size: 23.5 x 15, 6 mm; Number of megapixels: 24,1; Focal Distance: 27-157; Diaphragm: F / 3.5; optical zoom: 6x; Video frame size: 1920x1080 (60fps) (Nikon D7200 KIT)	
Power Supply	5.5 kW gasoline generator	capacity of 5.5 kW
	Diesel generators (up to 3 kW)	
		3kwT
		Diesel generators (up to 3 kilowatts)
		Diesel generators (up to 3 kilowatts) to 3kW.
connection	Inverter 12-220V	
	4G WIFI kit (router + modem)	LTE FDD / TDD LTE / DC - HSPA + / HSPA + / HSDPA / HSUPA / UMTS / EDGE / GPRS Work with Ukrainian operators: Kyivstar, Vodafone, Lifecell; Support for WiFi Standards: WiFi 802.11 B / G / N - WiFi Frequency 2.4
	4G Modems	
		3G/4G/wi-fi
		4G modem + sim card with top-up account

	4g modems
	4G modems with SIM cards
	Teltonika RUT950
	Modem + wifi router; Built-in battery (Huawei E5885LS-93A)
	Modem 4G / 3G + Wi-Fi Router ZTE MF286
4G routers	
	4G (LTE)
	USB power supply or other
	4G router
	4G Router for remote work from a laptop
	4G Routers to equip all fire parts with an additional communication channel
	n / a
	WiFi 802.11 A / B / G / N / AC, 4G LTE, UMTS, HSDPA, HSPA, HSPA +, GSM, GPRS, EDGE
	Required with Ethernet Port
	ZYXEL LTE3202-M340 + Antenna removes to it.
	4G Router is desirable with a remote antenna. Preferably Cisco.
	On
	Support for standards - 2G, 3G, 4G, GSM. Interfaces - Ethernet, USB, WiFi
	Support for standards -2G, 3G, 4G, GSM
	Interfaces - Ethernet, USB, Wi-Fi
	Ability to connect an external antenna
	Support for standards -2G, 3G, 4G, GSM
	Interfaces - Ethernet, USB, Wi-Fi
IP telephone	
	IP Phones Type D-LINK with POE
	Cisco 8865 IP phone with a CUCM license
	Telephone GRANDStoram GXP 1625
	Grandsteram GXP 2170 telephone machine with expansion consoles
	CISCO CP-7821 Telephone
Secure IP phone	Protected IP-Phone "Prolisok"
office ATC	
3G / 4G LTE R-Net mobile signal amplifiers	
	GSM 3G
	GSM repeaters

Computer		External antenna (amplifier) for 4G routers
		GSM + 3G + 4G Repeaters Sets
		Panel-17 MIMO 2x17 DBI + 2 Cables for 10 meters + SMA adapters
		Gain Signal Set 3G / 4G LTE R-NET
		GSM 3G Mobile Signal Amplifier
	Satellite mobile terminals such as Iridium	
		Iridium 9555 with a Tariff connected per year
		Iridium 9575 Extreme or Analog
		Satellite mobile terminals type Iridium
		Satellite telephones
	Satellite phones with connected tariff per year	
	Terminal of satellite communication type Iridium 9575 Extreme	
Dell Thunderbolt WD19TBS docking station		Dell Thunderbolt Dock – WD19TBS
Monoblocks (Core i5, SSD 512, RAM 16)		USB-C <-> USB-C/USB-A/HDMI
		16 GB, core I5, 512 SSD
		Monoblocks + windows
Personal computers (Core i5, SSD 512, RAM 16)		16 GB, core I5, 512 SSD
		Intel Core I5-11400 (2.6 - 4.4 GHz) / RAM 8 GB / SSD 500 GB / AMD RADEON RX 6600 XT 8 GB / Monitor 23.8 "FULL HD / LAN / Windows 10 Professional
Thin client type HP t540		HP t540 Thin Client (12H31EA)
USB cable (10M)		10M
USB power adapter (from the socket)		5V, 2A
Headsets (3.5)		
		for call centers
		For KC.
		Under laptops with connector 3.5
Power cable		(Network - Computer)
		C13-C14, 1,8 m
Keyboard		
Computer mouse		

Network equipment	Monitor	19"
	electric extension cords	10m
		10M, 3ports
		5m
		Electric sockets
		On
	SFP module	LC SFP+ or SFP28
		SFP modules Cisco 10 GB
	Wi-Fi Router	
		TP-LINK EAP225 AC1350 Wave 2 Gigabit Two-Apartment Ceiling Point Wi-Fi Access
		100+ Customers
		2,4Ghz/5GHz
		4G Routers, Wi-Fi -Aters for storage facilities
		CAP Wi-Fi per 100+ users
		Keenetic Peak
		Mikrotik hap (rb962Unics-5hact2hnt)
		Mikrotik Omnic
		TP-Link eap225 AC1350 Wave
		Wi-Fi Router ASUS RT-AC88U or its analogue
		Wi-Fi Router TP-LINK ARCHER-C7 or its analogue
	Gigabit Routers for repositories	
	Gigabit Routers for repositories	
	fast	
hardware controller	TP-Link OC300	
Twisted pair cable	Cat. 5E, 3 m	
	SFP+ 10G Directly attached Copper Twinax Cable (5 m)	
	UTP cable, 1km	
	UTP Cat.5E	
	Twisted pair bay (305m)	
	Twisted pair bay (100m)	
	wire twisted pair cat 5e bay 305m copper screen	
	UTP Cable Cat.5E.	
	UTP Cable Cat.5E (Bay 300m)	
	UTP Cable Cat.5E bay (305 m);	
KVM cable	ATEN 2L-5203U	
MikroTik cable	S+DA0001 SFP+ 1m	

	S+DA0003 SFP/SFP+ 3M
	S+DA0005 SFP/SFP+ 5M
two-core cable	Dual cable to provide a connection 1km
electric power cable 50 km	Power cable 50km
power cable	C13-C14 at least 3M
Cables (optical)	QNAP SFP+ 25 GbE twinaxial direct attach cable 2 m
	Outside optics 2-8 fibers
	Wholesale fiber (bay)
KVM switchboards	ATEN CS1308
switchboards	
	1 Gigabit
	48 or 24 ports, 1 Gbit
	48 ports
	48 ports, 1 Gbit Cisco
	Catalyst 9200L 24-port PoE+, 4 x 1G, Network Advantage
	Catalyst 9200L 48-port PoE+, 4 x 1G, Network Advantage
	Catalyst 9300 24-port data only, Network Advantage (Catalyst 9300 8 x 10GE Network Module)
	Catalyst 9500 24x1/10/25G and 4-port 40/100G, Advantage
	Cisco 24 ports + PoE 1 Gb
	Cisco 24 ports 10 Gb
	Cisco 3750 or analog
	Cisco C9300 48 port
	Cisco C9300-24S-E 24 port
	Cisco C9300L 48 port
	Cisco C9500-40X-2Q-A
	Cisco SG350-52 (SG250-52, SG220-50)
	Cisco C9200-L
	Cisco, at least 48 Optical Ports 1GB, at least 4 ports - 10 GB + SFP
	Fortinet 100d subscription per year
	Mikrotik CRS328 - 24P - 4S + RM (24x1G POE + 4XSFP + 450W MAX, L3)
	Controlled POE
	Nexus 9K
	Switch gigabit 5-port
	SWITCH GIABITE POE

Routers

Managed POE switches Mikrotik CRS328 - 24P - 4S + RM (24x1G POE + 4XSFP + 450W MAX, L3)
Cisco CBS250-24T-4X Switch CISCO
Cisco SG300-10PP-K9 EU switch
SAN switching components
Brocade G630 Switch, Max Configuration (128 Ports UP TO 32GB / S)
Communication ports: 100/1000 SFP PORT - not less than 28 ports, at least 4 SFP + ports with MACSEC support;
console ports: RJ45, USB, EMP; 2 ports VFL QSFP + PORTS (20G EACH) (Alcatel-Lucent OS6860E-U28)
CISCO C9200L-48P-4X switches for access to electronic communication network
Network Ethernet Level 3 Commutator 48 Port Type Cisco C9300L-48T-4X-E or Analogue
Network Level 3 Commutator on 24 Optical Port Type Cisco Catalyst WS-C3750X-24S-E or An analogue
MikroTik hAP ac (RB962UiGS-5HacT2HnT)
catalyst C8200-1N-4T
Cisco ASR1001-X Chassis, 6 built-in GE, Dual P/S, 8GB DRAM
Cisco C1111-8P
Cisco ISR 4331
Cisco ISR 4431
Cisco C8500-12X-4QS
isr-445x
Microtik 962 with access to WiFi 10 or more subscribers;
Mikrotik RB750 GR3.
Processor: MT7621A, 880 MHz
Number of processor cores: 2
The number of processor streams: 4
RAM: 256 MB
Internal memory: 16 MB
CPU temperature monitor
Temperature monitor of printed circuit board
Power: 5 W
USB connector: USB TYPE A
Memory Type: Flash

	Wi-Fi-router Cisco Meraki MX68CW
	Router Cisco ISR4331 or analog
	Routers Cisco ISR4331 / K9 for receiving digital communication channels
Network drive	HDD SATA3 4 TB, 3.5 "
Firewall	In the QNAP TS-431 XEU 8G
	#VALUE!
	Fortinet 100d subscription per year
	Cisco asa
	Cisco ASA 5525
	Cisco ASA5508-K9
	Cisco Firepower 2130 NGFW Appliance, 1U, 1 x NetMod Bay (Cisco FPR2130 Threat Defense Threat, Malware and URL 3Y Subs
	Cisco FP 2130 or Palo Alto
	Fortinet FG-100E
	Fortinet FG-101F 22 x GE RJ45 (2 x WAN, 1xDMZ, 1 x Mgmt port, 2 x HA, 16 x switch ports with 4 SFP port share and Fortinet FG-101F 3 Years Unified Threat Protection (UTP)
	Fortinet Fortigate FG-200F Subscription to services
	Fortinet Fortigate FG-60E Subscription to services
	Root Network Firewall Date Center Core Data-Center NG Firewall
	Network Filter
	NG Firewall NG Firewall
	CISCO FTD 2110 Network Protection Devices
	Cisco Systems, Inc. (USA)
Servers	DELL PE R640 2xXeon Gold 5218R, 16x32GB RDIMM, 2xM.2 Sticks 240G, no HDD, No Controller, iDRAC9 Ent, 1xSAS HBA, 2x10Gb+2x1Gb, 2x1100W 3Yr PS
Access points	
	Wireless access point and service package 802.11AC W2 AP W / CA; 4x4: 3; INT ANT; 2xgbe E.
	Access Point Ubiquiti UNIFI AC LITE AP 5 PACK (UAP-AC-LITE-5) or its analogue
Mobile devices	Protected Laptops Getac S410 16Gb SSD 500. Can be DELL Dell Latitude 14 Rugged 5414 i3

Protected Tablets
GSM mobile phone
Laptops

Protected laptops type Roda Rocky RK12
Protected Tablet Type Roda Panther DK13
GSM's Mobile Phone
-
!!!
13 INCHMACBOOKPRO or its analog AppleM1chipwith8corecpu.8coregpu.and16coreneuralEngine; 16GBUNIFIEDMEMORY; 1TBSSDSTORAGE; 13-inchretinadisplaywithtrueton; BacklitMagickeBoard; TouchBarandtouchID; Twothunderbolt / USB4PORTS
14 ", based on Core I5, RAM 16 GB, Screen 2K
15.6 ", RAM 16, SSD 512
15.6 ", RAM 16, SSD 512, core 8
16 GB, core I5, 512 SSD
16 GB, Core i7, 1TB SSD
16 GB, core i7, 512 SSD
16inchmacbookPro or its analogue
<ul style="list-style-type: none">• 2.3ghz8core9thGenerationTELCOREI9PROCESSOR.TURBOBOOSTUPTOU4.8GHZ.• 32GB2666MHZDDR4MEMORY• AMDRADEONPRO5500MWITH8GBOFGDDR6MEMORY• 1TBSSDSTORAGE• 16-inchretinadisplaywithtruetime• Fourthunderbolt3ports• TouchBarandtouchId.• BACKLITMAGICKEYBOARD
ASUS VIVOBOK 15 X571LH
CPU - not worse than Core i5 7th generation, at least 2 cores; RAM - at least 8 GB DDR4; SSD - not less than 256 GB; screen - not less than 15.6 ", 1920x1080, IPS; OS - Windows 10 Pro
CPU is at least 4 cores, 4MB cache, 3.2 ghz. , RAM 8 GB DDR4, SSD 256 GB, LAN 100/1000 MBIT / S, WI-FI 802.11AC, webcam HD 720P, 1920x1080, 16: 9, Integrated fingerprint scanner, Audioport 3.5, Microsoft Windows 10 Professional, 64 -bit

<p>Dell Latitude 5420 XCTO Base Intel Wi-Fi 6 AX201 2x2 .11ax 160MHz + Bluetooth 5.2 11th Intel Core i5-1135G7 (4 Core, 8M cache, base 2.4GHz, up to 4.2GHz) 16GB DDR4 M.2 256GB PCIe NVMe Class 35 Solid State Drive 14" FHD (1920x1080) Non-Touch, Anti-Glare, 250nits I5-1135G7 Intel Iris Xe Graphics Capable, Thunderbolt Windows 10 Pro Microsoft Office Anti-Virus Software</p>
Laptop 15"
MacBook Pro M1/M1x
NOTEBOOK HP 250G8 (2X7K9EA) or similar
Samsung 128 GB Bar Plus Black
ThinkPad T14 Gen 2 (Intel) screen 14 "
VICTUS BY HP LAPTOP 16-D1012CI (67H72EA)
Intel® Core™ I5 12500H 1 2 16GB DDR5. 512 GB Drive (SSD) Battery life: up to 6 hours 45 minutes 3
Battery of a larger emergency, TPM module, SSD, installed MS Office software, antivirus security.
Screen diagonal - 14-15.6 Volume of RAM - from 8 GB Processor - from 4 cores The volume of the drive is from 128 GB SSD
Screen diagonal - 14-15.6 Volume of RAM - from 8 GB Processor - from 4 cores The volume of the drive is from 256 GB
Screen diagonal - 14-15.6 Volume of RAM - from 8 GB Processor - from 4 cores The volume of the drive is from 256 GB
with maximum autonomy
On

	<p>Laptop latitude 7520 or its analogue Intel® Core™ i7-1185G7 11th generation, VPRO Windows 10 Pro (Windows 11 Pro License Included) Intel® Iris® Xe graphics RAM 32 GB 512 GB, M.2, PCIE NVME, SSD, Class 40 15.6 inches Display Keyboard English, Ukrainian</p>
	A laptop; 15.6 "; IPS: Intel Core i7-11xx; OZP: 16 GB; SSD: 512 GB
	Laptops with built-in webcams for fireplaces equipment
	Laptops based on processors with a processor not lower than I5, a screen diagonal of not less than 15 ', an operational memory is not less than 8GB, a HRD is not less than 500 GB
	I3 processor; ram 4-8gb; hdd - 128gb
	Processor: no worse than Intel Core i5-10xxx or AMD Ryzen 5 5xxx; RAM, GB: at least 16; SSD, GB: not less than 512; diagonal, inches: not less than 15.6; matrix type: IPS; external ports: at least 2 USB 3.x Type-A, 1 x USB 3.x Type-C, at least 1 USB 2.0 Type-A, 1 x HDMI, headphone / mic-in (combo); network adapter: 10/100/1000; Wi-Fi: 802.11 ax; Bluetooth: yes; Webcam: yes; operating system: Windows 10 or Windows 11
	Processor: Not worse Intel Core I5-10XXX or AMD Ryzen 5 5xxx; Operational memory, GB: not less than 16; SSD, GB: not less than 512; Diagonal, inches: not less than 15.6; Matrix type: IPS; External ports: at least 2 USB 3.x Type-A, 1 x USB 3.x Type-C, at least 1 USB 2.0 TYPE-A, 1 X HDMI, HEADPONE / MIC-IN (COMBO); Network adapter: 10/100/1000; Wi-Fi: 802.11 AX; Bluetooth: Yes; Web-camera: Yes; Operating system: Windows 10 or Windows 12
Power banks 20,000 mAh	
	20000 MA / h
	for a laptop
	for laptops
	Battery capacity from 20000 MAG, is suitable for charging - mobile phones, tablets, charging type - Quick charging, built-in cables - DC-DC, LIGHTNING, MICRO-USB, USB Type C, with a lantern.
	On

Office equipment	Tablet	
		Apple iPad mini 2021 Wi-Fi + Cellular 256GB Pink (MLX93RK/A)
		Screen diagonal - from 12 inches, Volume of RAM from 8 GB, Wireless capabilities 3G, 4G, 5G, Wi-Fi, built-in memory from 128GB, number of core processor from 8, battery from 10000 mA * h
		for a document circulation
		To work in warehouses
		Based on Windows with a keyboard included, Diagonal - from 10, drive - from 128 GB SSD, RAM - from 8 GB
		Based on Windows, Diagonal - from 10, drive - from 128 GB SSD, RAM - from 8 GB, with keyboard in the kit (optional)
		Tablet-Transformer; 10.5 "; IPS Intel Core M3-8100Y; OZP: 8 GB; Flash: 128 GB; OS: Windows 10 Pro (Microsoft Surface Go 2)
		Samsung Tab 8
	Smartphones	
		screen diagonal - from 5 inches, RAM - from 8 GB, number of cores from 8, internal memory from 128 GB, number of SIM cards 2
		Screen diagonal - 4 - 6
		The volume of RAM is 4 GB
		With Vodafone + Kyivstar SIM
		On
		Phones (Android / BlackBerry / iPhone)
	Multifunction devices	
		HP LaserJet M236DW (9YF95A)
		Print, copying, scanning
		Print speed to 29 pages / min (black and white) 1
		Input tray for 150 sheets
		1 High Speed USB 2.0, 1 Fast Ethernet 10 / 100Base-T port; 1 two-band (2.4 / 5.0 GHz) Wireless 802.11b / g / n Connection with Bluetooth® Low Energy technology
		A4
	HP 136X cartridge printer	Original cartridge of enlarged capacity with toner HP 136x Laserjet, black (W1360X)
		Laser, A4.
		Printer BFP with SBP
		B&W printers with optional cartridges

Software	Scanner	Camera scanner; A3; 5184x3456 DPI; USB 2.0; Scanish Element: HD CMOS (Eloam BS2000P)
	TV	TV 75 "-80" 4k
	Cisco ISE	Cisco ISE Base License
		Cisco ISE Plus License
	Exchange Server Standard 2019	Exchange Server Standard 2019
	Microsoft Office 365	200 users license
	SoftSecurity	Cisco Advanced Malware Protection (AMP) for Endpoints (Public Cloud)
		Cisco AnyConnect Apex License, 3YR
		ESET Server Security for Linux
		Symantec Antivirus for terminal server
		ESET Endpoint Security for Windows software
		П3 ESET Mail Security for Microsoft Exchange Server
		ESET Mail Security software for Microsoft Exchange Server
		ESET Server Security for Linux
		ESET Server Security software for Microsoft Windows Server
		ESET Server Security software for Microsoft Windows Server
		Sandbox for Sandbox mail about 40,000 letters per day
		Software or hardware solution for two-factor user authentication
	Windows Server 2022	Microsoft Windows Server Standart "
		windows server 2022
		Windows Server 2022 (2019)
		Windows Server 2022 (2019) Remote Desktop Services User Connections
		Windows Server 2022 Standard – 16 Core Licence Pack
Windows Server 2022 Datacenter	Windows Server 2022 Datacenter – 16 Core	
	Operating system Microsoft Windows Server 2019 Datacenter	
	Production of Microsoft Corporation (USA)	
	Microsoft Windows Server 2022 Datacenter software product - 8 Core	
Certified e-trust administrator software	Microsoft Windows 10 Professional	
	ESET Endpoint Antivirus 7.3.2039.0	
	Microsoft Office Professional Plus 2010 (14.0.7015.1000)	
	STDU Viewer (1.6.186.0)	
	IIT E. key "Crystal-1" "(1.1.2)	
	IIT User CSK-1.3 (1.3.1)	
	IIT E.key "Diamond-1K" "(1.0.1)	

Microsoft Windows 10 Professional
ESET ENDPOINT ANTIVIRUS 7.3.2039.0
Microsoft Office Professional Plus 2010 (v / 14.0.7015.1000)
Stdu viewer (1.6.186.0)
IIT E.Kluch "Crystal-1" (1.1.2)
IIT User CSK-1.3 (1.3.1)
IIT CSK - 1.3. Remote CMP server monitor (1.3.1)
IIT CSK-1.3. Remote OCSP server monitor (1.3.1)
IIT CSK-1.3. Remote TSP server monitor (1.3.1)
IIT CSK-1.3. Remote Molding Molder SVS (1.3.1)
IIT CSK - 1.3. Administrator of certification (1.3.1)
IIT CSK - RS Certification 1.3.1

Microsoft Windows 10 Professional
Microsoft Office Professionaln. Plus 2010.
Stdu viewer (v.1.6.186.0)
IIT E.Kluch "Crystal-1" (1.1.2)
IIT User CSK-1.3 (1.3.1)
IIT CSK) -1.3. Security Administrator (1.3.1)
IIT CSK-1.3. Remote CMP server monitor (1.3.1)
IIT CSK -1.3. Remote OCSP server monitor (1.3.1)
IIT CSK -1.3. Remote TSP server monitor (1.3.1)
IIT CSK -1.3. Remote Molding Molder SVS (1.3.1)
PUTTY (0.66)
WINS SCP (5.1.5 Build 3261-Portable)

Microsoft Windows 10 Professional ESET ENDPOINT ANTIVIRUS 7.3.2039.0 Microsoft Office Profession. Plus 2010 (14.0.7015.1000) Stdu viewer (v.1.6.186.0) IIT E.Kluch "Crystal-1" (1.1.2) IIT User CSK-1.3 (1.3.1) IIT CSK-1.3. Security Administrator (1.3.1) IIT CSK-1.3. Remote CMP server monitor (1.3.1) IIT CSK-1.3. Remote OCSP server monitor (1.3.1) IIT CSK-1.3. Remote TSP server monitor (1.3.1) IIT CSK-1.3. Remote Molding Molder SVS (1.3.1) PUTTY (0.66-RU-16-PORTABLE) WINSOCP (5.1.5 Build 3261-Portable)
Ubuntu server 18.04.5 LTS bind 9.11.3
Ubuntu server 20.04 LTS Zlib (v.1.2.7) Httpd (v.2.4.6-40) Sqlite (v.3.7.17-8.e17) Firewalld (v.0.3.9-14.e17) Rsyslog (v.7.4.7-12 / e17) Zabbix Agent 5.0.4 MySQL 5.6 IIT CSK-1 Interaction Server 1.3

Server equipment UPS

Windows Server 2012 R2 Standart
Microsoft SQL Server 2014 (v.12.1.4100.1)
IIT CSK-1.3. TSP server (1.3.1)
7-zip 18.05
IIT CSK-1.3. OCSP server (1.3.1)
IIT Network cryptomodule "Ridge -301" (1.2.1)
IIT cryptomodule "Ridge -301" (1.2.1) management
IIT CSK-1.3. Administrator of certification (1.3.1)
IIT CSK-1.3. TSP server (1.3.1)
IIT CSK-1.3. Form SVS (1.3.1)
Dellmc Idrac Service Modul
Zabbix Agent 5.0.4.
ESET File Security 7.3.12002.0
IIT CSK-1.3. CMP server (1.3.1)
IIT CSK-1.3. Security Administrator (1.3.1)
Software IIT CSK-1.3 Keys of CSK (1.3.1)

Windows Server 2012 R2 Standart
IIT cryptomodule "Ridge -301" (1.2.1) management
IIT Network cryptomodule "Ridge -301" (1.2.1)
Ubuntu Server 20.04 LTS
Zabbix Server 5.0.14
ESET File Security 7.3.12002.0
Cisco ASDM-IDM Launcher
Zabbix Agent 5.0.4.

750 watts
APC Smart UPS SRT 10000VA 230V (SRT10KXLI) or similar
APC Smart UPS SRT 10000VA RM (SRT10KRMXLI) or similar
APC Smart-UPS 3000 VA
Smart-UPS SRT 5000VA RM (SRT5KRMXLI)
Uninterruptible Power unit
Uninterruptible Power Supply
Uninterruptible Power Supply to Support Servers
UPS Ritar GP-33-60KVA 384Vdc 60000VA / 54000W

Air conditioning for the server room servers

at least 20 kW

Power not less than 5 kW

"Servers of X86-architecture software applications (VMWare virtualization system):
- Chassis Cisco UCS SP Select 5018 AC2 Chassis W / 2208 IO? 4x SFP Cable 3M (UCS-SP-508-AC)
- CISCO B200M4HI-CORE2W / 2xE52697v4, 8x32GB, VIC1340 (UCS-SP-B200M4-B-C2) "

Total power:

Processor power: 1606 GHz

RAM: 2560GB

Minimum requirements for one virtual server: 32 kernels (71GHz) 36 GB of RAM

2-x CPU; RAM>= 64 Gb; RAID HDD 50Gb; OS

Dell PowerEdge R740XD

2 processors such as Intel Xeon Silver 4216 (2.10 GHz, 16 cores, 22MB L3, 2400 MHz, 100W), 128GB RAM, 400GBx4 "SSD

IBM S922

Server 9009 Model 22G

Mainstream 800 GB SSD NVMe U.2 module for AIX/Linux

64 GB DDR4 Memory Dimm

PCIe2 LP 4-Port (10Gb+1GbE) SR+RJ45 Adapter

PCIe4 LP 32Gb 2-port Optical Fiber Channel Adapter

8-core Typical 3.4 to 3.9 Ghz (max) POWER9 Processor

AIX Enterprise Edition

ITM V6.3.0.2

ITM V6.3.0.2

RackMount, Features not Men's RAM 1024 GB, CPU CORES - 64, SSD - 10 TB RAW SPACE, 10 TB SAS HDD 10 GB Ethernet (4 Ports)

RackMount, Characteristics at least RAM 1500 GB, CPU CORES - 72, SSD - 10 TB RAW SPACE, 20 TB SAS HDD, 10 GB Ethernet

RackMount, Characteristics at least RAM 512 GB, CPU CORES - 48, SSD - 5 TB RAW SPACE, 10 TB SAS HDD, 10 GB Ethernet

	<p>Supermicro SYS-1029U-TR25M; Platform: Supermicro SYS-1029U-TR25M 19" 1U; CPUx2(Intel Xeon Silver 4215R 8x3.2GHz); RAM- 16x64GB DDR4-3200 ECC (M393A8G40AB2-CWE) SSDx2: 480GB (MZ7LH480HAHQ-00005); SSDx2: 3840GB (MZQLB3T8HALS-00007);</p>
	<p>for databases IVM 9080 Model M9S, - 128 nuclei 3.9 - 4.0 GHZ, POWER9; 6TB DDR4; PCIE3 LP 2-PORT 25 / 10GB Adapter, PCIE3 LP 2-PORT 32GB FC Adapter</p>
	<p>на бази Dell EMC PowerEdge T350, Xeon E-2378G, 2x32GB, 2x1.92TB SSD RI, 2x8TB SATA, PERC H345 8LFF, 2x1GbE Base-T, iDRAC9Ent, 2x450W PS, 3Yr Prosupp</p>
	<p>based on RISC processors IBM Power System E980 IBM Power System E870C General requirements: 222 active 4TB cores of RAM. Minimum requirements for one virtual system: 84 cores of 800 GB of RAM.</p>
	<p>PoweredGe R750 Computing Platform - Full</p>
	<p>Dell PowerEdge R530 or Analog</p>
	<p>Server Dell Poweredge R740 (R740V41)</p>
	<p>SERVER SUPERMICRO SYS 1029UTR 25M Processor: 2 x Intel Xeon Gold 6226R RAM: 128 GB Disk system: 2 x 128 GB SSD Enterprise Network: 2 x 25 GBPS Power: 2 x 750 w Dimensions: rackmount 1u</p>
	<p>Server for terminal server (CPU -2-4 X Intel Xeon Gold, RAM> = 256 GB; HDD- 20-40 TB.</p>
	<p>DELL POWEREDGE R740XD type 2 Processors of Intel Xeon Silver 4216 (2.10 GHz, 16 Cores, 22MB L3, 2400 MHz, 100W), RAM 128GB, SSD disk (preferably Write intensive) 400GBX4</p>
Server cabinets	
	<p>CSV 42U Rackmount 600x800 or similar</p>

Data storage system	Dell EMC ME4024 Storage Array/6x1.92TB SSD SAS Read Intensive/18x2.4TB SAS 10K/12Gb SAS 8 Port Dual Controller/4x2M Cable/2xPSU/3Yr PS
	Dell EMC ME424 Storage Expansion Enclosure?21x 2.4TB SAS 10K?2x12GB SAS Cable//Bezel/2x 580W PSU/2x Power Cable/3Yr PS
	Flash storage drives or NAS storage facilities from 10 tb
	HDD Volume: 2400 GB, 2.5 ", SATA3
	IBM FlashSystem 7300 NVMe Control Enclosure; 38.4 TB NVMe Flash Core Module; 32 Gb FC 4 Port Adapter Cards (Pair); 5m OM3 Fiber Cable (LC); 240 GB M.2 Boot drive Pair; 768 GB Cache upgrade; 512 GB Cache upgrade
	IBM fs5200 100 TiB Usable 4x32FC 4x10iSCI FCM
	"IBM Storwize v5100
	Effective volume: - on NVME 1008 TB - on SSD 270 TB
	used for 54.6GB core databases, 130GB database servers and applications
	Infotrend ESDS 2000 SSD SAS 1600 GB, 12 Gbps, 3DWPD HDD 2,5" 1800 GB, SAS 12 Gbps, 10000 rpm HDD 2,5" 2400 GB, SAS 12 Gbps, 10000 rpm
	RackMount, not less than 160 TB RAW SPACE (SAS HDD), 10 GB Ethernet SSD Volume: 1000 GB, 2.5 ", SATA3
	Mobile data center NetApp EF300 All-Flash Array data saving system DELL STORAGE MD1420 or analog data storage system
	Data storage systems from 300 TB
	Data storage systems
	File storage for regional departments and departments of direct subordination of DSNS capacity of 25 TB for reserving / transfer of current information and its own information systems
File server	NAS QNAP TS-451D2-2G
	Nas qnap ts-832px-4g
	HDD-20GB NAS server to store backups
Special devices	Spectrum analyzer
	LSA132D spectrum analyzer (3Hz - 13.2 GHz)

Measuring antenna	Antenna measuring frame "P6-42A" (10 Hz - 1MHz)
Headsets for portable radio Motorola DP 4xxx	
Optional battery for Motorola DP 4xxx portable radio	
Quadcopter	
	1 "CMOS, 20 mp; wide-angle with aperture f / 2,8, 84 °, 8.8 mm / 24 mm (equivalent of 35 mm format); 4k: 3840x2160 24/25/30/48/50 / 60P at 100 Mbps; Remote control: 2.4 GHz, 5.8 GHz, radius of 10,000 m. (Drone Phantom 4 Pro + v2 / cp.pt.00000232.03 DJI (cp.pt.00000232.03)) DJI MATRIX with a thermal imaging chamber H20T, with an additional battery pack
Complex of search of embedded devices	Search complex for embedded devices DELTA X. Version 1.XXX produced by LLC "Digital and Analog Systems"
	Complexes for automated radio monitoring and search of fixed devices, detection and measurement of PEMVN from means of EOT "AKOR-M" production of KP NTC "Kvant"
Complexes for research of incidental electromagnetic radiation	Automated complex for measuring side electromagnetic radiation and "AKR - 3PK"
	Complexes for conducting research of side electromagnetic radiation and "Harmonics-FPL" produced by LLC "Krypton" LLC
Set of tools	Tools Pro`s Kit PK-15307BM
Voltage probe	Voltage Priber
Radio station	Motorola DP 4801E. UHF range
	Motorola DP 4401E. UHF range
	Motorola DP 4401EUHF Range
	Car radio type Motorola DM4601
	Portable Radio Motorola DP4401
	Radio station Portable digital, 7 W, UHF 400-470 MHz, number of channels 100, battery, IP54, impact resistant.
	Digital Radio Radio Power Plant 400 W based Transceiver Harris RF7800H-MP001

Flash drives		Digital means of VHF radio communication with an output power of 5 W on the basis of the RF-7850M-DS001 transceiver
	portable radio station	Motorola or Aselsan
	Radio gateway	Cubic Vocality Rdio Over IP, radio switching to connect to a single radio station of various manufacturers, standards and radical ranges.
	walkie-talkie	
		Radiation set with a great deal of conversation
		Motorola
	Repeater	Mototrola SLR5500 repeater
	remote control system	Harris RF-7800R-RC, Dental Management System (RadioVinos) of Harris Radiation
	Current collector	Current measuring measuring BPP-526
	thermal imager	
	External hard drive	1-2 tb
		1TB
		2-5Tb HDD
		256 Gb
		5 TB +
		Flash storage drives from 1 TB
	SSD from 500 GB, reading speed up to 1050 MB / s, recording speed up to 1000 MB / s, stability to shock loads 1500 G.	
	USB 3.0 and above, 16tb, HDD, code lock, data transfer speed not less than 225 MB / s	
	USB 3.0 and above, 2TB, 2.5 ", HDD, Mac OS and Windows, data transmission speed not less than 140 MB / s	
	WD My Book Desktop 16 TB	
	A large capacity from 2 tb	
	from 1 tb.	
	Hard drive 8tbext.blackstel8000200sAgate or its analogue	
	External drives with a capacity from 1 TB	
	12 TB volume; Connection interface USB 3.1; GOV certificates; encryption support; protection against physical damage; use of passwords; Automatic Destruction of Information (ISTORAGE DISKASHUR DT2 12 TB)	
	Volume: 10 tb, interface: USB 3.x;	
	Portable Hard Drives 2 TB capacity to save important data of all fire parts	

		HDD type: external; Volume, GB: not less than 2000; Connection interface: USB 3.x; Form factor, inch: 2.5
		HDD type: external; Volume, GB: not less than 4000; Connection interface: USB 3.x; Form factor, inch: 2.5
	Flash drive	
		16 Gb
		32 Gb
		64GB
		8-16Gb
		USB 3.0 (back compatibility with USB 2.0) at least 16GB.
		The volume of the drive is from 8 GB
		Type: USB flash drive; Interface: USB 3.x; connector: USB TYPE-A; Memory volume, GB: not less than 32
		Flash drives from 64 GB
		Flash carrier 32 GB
		Flash carrier 64 GB
		Flash Accumulator USB3.0 64GB TranscendJetFlash790 (TS64GJF790K) or an analogue
	Encryption flash drive	Encrypted flash drives, 16GB +
Cloud services		Account https://intelx.io .
		License Mikrotik Chr 10 GBIT
	Cloud Firewall	Web Application Firewall
		f5 или A10
	VPN	VPN bandwidth 2-5 gigabit
	Hosting	Azure cloud
		50 TB
		Fedora CoreOS, 16 CPU, 128RAM, 120 SSD (root), 1TB HDD
		Ubuntu, 8 CPU, 8RAM, 120 SSD (root)