

Specificații tehnice

[Acest tabel va fi completat de către ofertant în coloanele 2, 3, 4, 6, 7, iar de către autoritatea contractantă – în coloanele 1, 5,]

Numărul procedurii de achiziție ocds-b3wdp1-MD-1713185535581 din 15.04.2024
Obiectul achiziției: Achiziționarea Echipamentului pentru asigurarea funcționării rețelei corporative

Denumirea bunurilor	Denumirea modelului bunului	Țara de origine	Producătorul	Specificarea tehnică deplină solicitată de către autoritatea contractantă	Specificarea tehnică deplină propusă de către ofertant	Standarde de referință
1	2	3	4	5	6	7
Lotul 1 Anexa nr. 1						
1.1. Paravan de protecție (Next- Generation Firewall) cantitatea 1 - bucata.	1.1. FPR1120- NGFW-K9, Cisco Firepower 1120 NGFW Appliance, 1U					
1.2. Licențe Software incluse cu NGFW solicitat la p. 1	1.2. L-FPR1120T- TMC-1Y, Cisco FPR1120 Threat Defense Threat, Malware and URL 1Y Subs	China/ Malaysia	Cisco Internation al Limited	Conform cerintelor din Caietul de sarcini	Conform Matricei de conformitate, Apendice la Anexa 22.	Moldova Standard

Lotul 2						
Switch	C1000-48T-4G-L Catalyst 1000 48port GE, 4x1G SFP	China/ Malaysia	Cisco Internation al Limited	Conform cerintelor din Caietul de sarcini	Conform Matricei de conformitate, Apendice la Anexa 22.	Moldova Standard

Semnat:

Nume: **Irina Vicol**

În calitate de: **Administrator**

Ofertantul: **Xontech Systems SRL**

Adresa: str. Alexandru cel bun 85, MD-2012, mun Chisinau, Republica Moldova.

S.C. "XONTECH Systems" S.R.L.
IDNO: 1018600044509, TVA: 0610683
Adresa fizica: Str. Ștefan cel Mare și Sfânt 73/1
NBC – National Business Center, of. 101
MD-2012, Chisinau, R.M.

B.C. "Banca Comerciala
Romana Chisinau" S.A.
Filiala 2 Puskin, Chisinau, R.M.
Swift: RNCBMD2X504
IBAN: MD09RN000000022240011698

Apendice

Matricea de conformitate conform caietului de sarcini solicitate in SIA RSAP, Anuntul de participare

Part Number	Descriere	Qty
Configuratia ofertata pentru LOT 1		
1.1. FPR1120-NGFW-K9	Cisco Firepower 1120 NGFW Appliance, 1U	1
included:		
SF-F1K-TD7.2.5-K9	Cisco Secure Firewall TD 7.2.5 SW for FPR1000 appliances	1
FPR1000-ASA	Cisco Firepower 1000 Standard ASA License	1
FPR-LTP-QR-LBL	Cisco Firepower QR Label - Internal Use Only	1
FPR1K-RM-ACY-KIT	Cisco Firepower 1K Series Accessory Kit for FPR-1120/1140	1
CAB-ACE	AC Power Cord (Europe), C13, CEE 7, 1.5M	1
FPR1K-RM-SSD200-	Cisco Firepower 1K Series 200GB for FPR-1120/1140	1
FPR1K-EXCLUDE-SUBS	Cisco Firepower 1000 Series - Exclude Subscriptions	1
CON-SNT-FRP11209	SNTC-8X5XNBD Cisco Firepower 1120 NGFW Appliance, 1U	1
1.2. L-FPR1120T-TMC=	Cisco FPR1120 Threat Defense Threat, Malware and URL License	
included:		
L-FPR1120T-TMC-1Y	Cisco FPR1120 Threat Defense Threat, Malware and URL 1Y Subs	1

Part Number	Descriere	Qty
Configuratia ofertata pentru LOT 2		
C1000-48T-4G-L	Catalyst 1000 48port GE, 4x1G SFP	16
included:		
CAB-ACE	AC Power Cord (Europe), C13, CEE 7, 1.5M	16
CON-SNT-C10T48GL	SNTC-8X5XNBD Catalyst 1000 48port GE, 4x1G SFP, LANBa	16

Nr. d/o	Denumirea bunurilor solicitate	Specificarea tehnică deplină solicitată de către autoritatea contractantă		Specificarea tehnică deplină propusă de către ofertant	
Lotul 1 <i>Anexa nr. 1</i>					
1.1	Paravan de protecție (Next-Generation Firewall) cantitatea 1 - bucata.	Caracteristica	Cerinte tehnice minimale	Caracteristica	Specificatii tehnice oferitate
		Type	Next-Generation Firewall, cu 12 luni suport incluse care să acopere cerințele de mai jos.	Type	FPR1120-NGFW-K9, Cisco Firepower 1120 NGFW Appliance, Next-Generation Firewall, cu 12 luni suport incluse care acoperă cerințele de mai jos.
		Throughput: Threat Defense Software	2.3 Gbps	Throughput: Threat Defense Software	2.3 Gbps
		IPS Throughput	2.6 Gbps	IPS Throughput	2.6 Gbps
		Interfaces	8 x RJ45, 4 x SFP	Interfaces	8 x RJ45, 4 x SFP
		Throughput: Firewall (FW) + Application Visibility and Control (AVC) (1024B)	2.3 Gbps	Throughput: Firewall (FW) + Application Visibility and Control (AVC) (1024B)	2.3 Gbps
		Throughput: FW + AVC + Intrusion Prevention System (IPS) (1024B)	2.3 Gbps	Throughput: FW + AVC + Intrusion Prevention System (IPS) (1024B)	2.3 Gbps
		Maximum concurrent sessions, with AVC	200K	Maximum concurrent sessions, with AVC	200K
		Maximum new connections per second, with AVC	15K	Maximum new connections per second, with AVC	15K
		Transport Layer Security (TLS)	850 Mbps	Transport Layer Security (TLS)	850 Mbps
		IPSec VPN throughput (1024B TCP w/Fastpath)	1,2 Gbps	IPSec VPN throughput (1024B TCP w/Fastpath)	1,2 Gbps
		Maximum VPN Peers	150	Maximum VPN Peers	150
		Device Manager (local management)	Yes	Device Manager (local management)	Yes

S.C. "XONTECH Systems" S.R.L.
 IDNO: 1018600044509, TVA: 0610683
 Adresa fizica: Str. Ștefan cel Mare și Sfânt 73/1
 NBC – National Business Center, of. 101
 MD-2012, Chisinau, R.M.

B.C. "Banca Comerciala
 Romana Chisinau" S.A.
 Filiala 2 Puskin, Chisinau, R.M.
 Swift: RNCBMD2X504
 IBAN: MD09RN000000022240011698

		Centralized management	Centralized configuration, logging, monitoring, and reporting are performed by the Threat Defense Manager (FMC) or, alternatively, from the cloud with Defense Orchestrator			Centralized management	Centralized configuration, logging, monitoring, and reporting are performed by the Threat Defense Manager (FMC) or, alternatively, from the cloud with Defense Orchestrator
		AVC	Standard, supporting more than 4000 applications, as well as geolocations, users, and websites			AVC	Standard, supporting more than 4000 applications, as well as geolocations, users, and websites
		Open-source application detectors	Standard			Open-source application detectors	Standard
		Security Intelligence	Standard, with IP, URL, and DNS threat intelligence			Security Intelligence	Standard, with IP, URL, and DNS threat intelligence
		IPS	Available; can passively detect endpoints and infrastructure for threat correlation and Indicators of Compromise (IoC) intelligence			IPS	Available; can passively detect endpoints and infrastructure for threat correlation and Indicators of Compromise (IoC) intelligence
		Malware Defense for Networks	Available; enables detection, blocking, tracking, analysis, and containment of targeted and persistent malware, addressing the attack continuum both during and after attacks. Integrated threat correlation with AMP for Endpoints is also optionally available			Malware Defense for Networks	Available; enables detection, blocking, tracking, analysis, and containment of targeted and persistent malware, addressing the attack continuum both during and after attacks. Integrated threat correlation with AMP for Endpoints is also optionally available
		Malware Analytics sandboxing	Available			Malware Analytics sandboxing	Available
		URL filtering: number of categories	More than 80			URL filtering: number of categories	More than 80
		URL filtering: number of URLs categorized	More than 280 million			URL filtering: number of URLs categorized	More than 280 million
		Automated threat feed and IPS signature updates	Yes: class-leading Collective Security Intelligence			Automated threat feed and IPS signature updates	Yes: class-leading Collective Security Intelligence
		Stateful inspection firewall throughput ¹	4.5 Gbps			Stateful inspection firewall throughput ¹	4.5 Gbps
		Stateful inspection firewall throughput (multiprotocol) ²	2.5 Gbps			Stateful inspection firewall throughput (multiprotocol) ²	2.5 Gbps
		Concurrent firewall connections	200,000			Concurrent firewall connections	200,000
		New connections per second	75,000			New connections per second	75,000
		IPsec VPN throughput (450B UDP L2L test)	1 Gbps			IPsec VPN throughput (450B UDP L2L test)	1 Gbps

		Maximum VPN Peers	150			Maximum VPN Peers	150
		Security contexts (included; maximum)	2; 5			Security contexts (included; maximum)	2; 5
		High availability	Active/active and Active/standby			High availability	Active/active and Active/standby
		High availability and clustering	Active/standby			High availability and clustering	Active/standby
		Scalability	VPN Load Balancing			Scalability	VPN Load Balancing
		Adaptive Security Device Manager	Web-based, local management for small-scale deployments			Adaptive Security Device Manager	Web-based, local management for small-scale deployments
		Form factor (rack units)	1RU			Form factor (rack units)	1RU
		Integrated I/O, min	8 x RJ-45, 4 x SFP			Integrated I/O, min	8 x RJ-45, 4 x SFP
		Integrated network management ports	1 x 10M/100M/1GBASE-T Ethernet port (RJ-45)			Integrated network management ports	1 x 10M/100M/1GBASE-T Ethernet port (RJ-45)
		Serial port	1 x RJ-45 console			Serial port	1 x RJ-45 console
		USB, min	1 x USB 3.0 Type-A (500mA)			USB, min	1 x USB 3.0 Type-A (500mA)
		Storage, min	1 x 200 GB			Storage, min	1 x 200 GB
		Power supply configuration	+12V			Power supply configuration	+12V
		AC input voltage	100 to 240V AC			AC input voltage	100 to 240V AC
		AC maximum input current	< 2A at 100V, < 1A at 240V			AC maximum input current	< 2A at 100V, < 1A at 240V
		AC maximum output power	100W			AC maximum output power	100W
		AC frequency	50 to 60 Hz			AC frequency	50 to 60 Hz
		AC efficiency	>85% at 50% load			AC efficiency	>85% at 50% load
		Fans	1 integrated fan			Fans	1 integrated fan
		Noise	31.7 dBA @ 25C, 56.8 dBA at highest system performance			Noise	31.7 dBA @ 25C, 56.8 dBA at highest system performance
		Rack mountable	Yes. Fixed mount brackets included (2- post).			Rack mountable	Yes. Fixed mount brackets included (2- post).
		Humidity: operating	90% noncondensing			Humidity: operating	90% noncondensing

		Humidity: nonoperating	10 to 90% noncondensing			Humidity: nonoperating	10 to 90% noncondensing
		Regulatory compliance	Products comply with CE markings per directives 2004/108/EC and 2006/108/EC			Regulatory compliance	Products comply with CE markings per directives 2004/108/EC and 2006/108/EC
		Safety	● UL 60950-1 ● CAN/CSA-C22.2 No. 60950-1 ● EN 60950-1 ● IEC 60950-1 ● AS/NZS 60950-1 ● GB4943			Safety	● UL 60950-1 ● CAN/CSA-C22.2 No. 60950-1 ● EN 60950-1 ● IEC 60950-1 ● AS/NZS 60950-1 ● GB4943
		EMC: emissions	● 47CFR Part 15 (CFR 47) Class A (FCC Class A) ● AS/NZS CISPR22 Class A ● CISPR22 CLASS A ● EN55022 Class A ● ICES003 Class A ● VCCI Class A ● EN61000-3-2 ● EN61000-3-3 ● KN22 Class A ● CNS13438 Class A ● EN300386 ● TCVN7189			EMC: emissions	● 47CFR Part 15 (CFR 47) Class A (FCC Class A) ● AS/NZS CISPR22 Class A ● CISPR22 CLASS A ● EN55022 Class A ● ICES003 Class A ● VCCI Class A ● EN61000-3-2 ● EN61000-3-3 ● KN22 Class A ● CNS13438 Class A ● EN300386 ● TCVN7189
		EMC: immunity	● EN55024 ● CISPR24 ● EN300386 ● KN24 ● TVCN 7317 ● EN-61000-4-2, EN-61000-4-3, EN-61000-4-4, EN-61000-4-5, EN-61000-4-6, EN-61000-4-8, EN61000-4-11			EMC: immunity	● EN55024 ● CISPR24 ● EN300386 ● KN24 ● TVCN 7317 ● EN-61000-4-2, EN-61000-4-3, EN-61000-4-4, EN-61000-4-5, EN-61000-4-6, EN-61000-4-8, EN61000-4-11
1.2	Licente Software incluse cu NGFW solicitat la p. 1	Caracteristica	Cerinte tehnice minimale			Caracteristica	Cerinte tehnice minimale
		Licente	Licență Threat Defense Threat, Malware and URL cu 1 ani subscripție..			Licente	Licență Cisco FPR1120 Threat Defense Threat, Malware and URL 1 an subscripție

1.3.	Alte cerințe obligatorii	- Produsul oferat trebuie să fie compatibil cu Cisco Firepower 1120, pentru configurarea dispozitivului ca standby secondary device (High Availability). Oferta va include instalarea, configurarea și darea în exploatare a produsului oferat, inclusiv transferul de cunoștințe către Beneficiar, pentru a permite celor instruiți să preia menținerea și configurarea ulterioară a echipamentului oferat, în conformitate cu necesitățile. - Pentru aceasta ofertantul va demonstra capacitatea sa prin prezentarea următoarelor: Ofertantul va prezenta Certificat al inginerului tehnic din cadrul companiei ofertante pe produsul oferat și inclusiv certificatul Cisco Certified Network Associate Routing and Switching sau echivalentul. - Ofertantul va prezenta Autorizare(MAF) de la producător, actul care atestă dreptul oficial al reprezentantului pe teritoriul R. Moldova de a livra bunuri/lucrări/servicii. - Termen de garanție – 1 an;	- Produsul oferat este identic cu Cisco Firepower 1120, pentru configurarea dispozitivului ca standby secondary device (High Availability). - Oferta include instalarea, configurarea și darea în exploatare a produsului oferat, inclusiv transferul de cunoștințe către Beneficiar, pentru a permite celor instruiți să preia menținerea și configurarea ulterioară a echipamentului oferat, în conformitate cu necesitățile. - Pentru aceasta atasat cu oferta sunt următoarele: - Certificat al inginerului tehnic din cadrul companiei pe produsul oferat și inclusiv certificatul Cisco Certified Network Associate Routing and Switching. - Autorizare(MAF) de la producător, actul care atestă dreptul oficial al Xontech Systems SRL pe teritoriul R. Moldova de a livra bunuri/lucrări/servicii. Termen de garanție – 1 an: CON-SNT-FRP11209, SNTC-8X5XNBD Cisco Firepower 1120 NGFW Appliance, 1U
------	---------------------------------	--	---

Lotul 2

2.1.	Switch	Caracteristica	Cerinte tehnice minimale	Caracteristica	Cerinte tehnice minimale
		Type	Switch	Type	C1000-48T-4G-L, Catalyst 1000 48port GE, 4x1G SFP
		Rack Units (RU)	1RU	Rack Units (RU)	1RU
		CPU	Min 800Mhz	CPU	800Mhz
		Memory (DRAM) default	Min 512 MB	Memory (DRAM) default	512 MB
		Flash memory	Min 256 MB	Flash memory	256 MB
		Interfaces	48x GE Rj-45 4x 1G SFP uplinks Console ports: RJ-45 Ethernet	Interfaces	48x GE Rj-45 4x 1G SFP uplinks Console ports: RJ-45 Ethernet
		Management	CLI and/or intuitive web UI manageability options Device management support with over-the- air access via Bluetooth, Simple Network Management Protocol (SNMP), RJ-45, or USB console access	Management	CLI and/or intuitive web UI manageability options Device management support with over-the- air access via Bluetooth, Simple Network Management Protocol (SNMP), RJ-45, or USB console access
		Perfomance	Forwarding bandwidth: 52 Gbps Switching bandwidth: 104 Gbps Forwarding rate(64—byte L3 packets) :	Perfomance	Forwarding bandwidth: 52 Gbps Switching bandwidth: 104 Gbps Forwarding rate (64—byte L3 packets) :

S.C. "XONTECH Systems" S.R.L.
IDNO: 1018600044509, TVA: 0610683
Adresa fizica: Str. Ștefan cel Mare și Sfânt 73/1
NBC – National Business Center, of. 101
MD-2012, Chisinau, R.M.

B.C. "Banca Comerciala
Romana Chisinau" S.A.
Filiala 2 Puskin, Chisinau, R.M.
Swift: RNCBMD2X504
IBAN: MD09RN000000022240011698

			73,38 Mpps Unicast MAC addresses: 16000 IPv4 unicast direct routes: 542 IPv4 unicast indirect routes: 256 IPv6 unicast direct routes: 414 IPv6 unicast indirect routes: 128 IPv4 static routes: 16 IPv6 static routes: 16 IPv4 multicast routes and IGMP groups: 1024 IPv6 multicast groups: 1024 IPv4/MAC security ACEs: 600 IPv6 security ACEs: 600 Maximum active VLANs: 256 VLAN IDs available: 4094 Maximum STP instances: 64 Maximum SPAN sessions: 4 MTU-L3 packets: 9198 bytes Dying Gasp: yes Jumbo Ethernet frame: 10,240 bytes MTBF in hours (data):120000 ore		73,38 Mpps Unicast MAC addresses: 16000 IPv4 unicast direct routes: 542 IPv4 unicast indirect routes: 256 IPv6 unicast direct routes: 414 IPv6 unicast indirect routes: 128 IPv4 static routes: 16 IPv6 static routes: 16 IPv4 multicast routes and IGMP groups: 1024 IPv6 multicast groups: 1024 IPv4/MAC security ACEs: 600 IPv6 security ACEs: 600 Active VLANs: 256 VLAN IDs available: 4094 STP instances: 64 SPAN sessions: 4 MTU-L3 packets: 9198 bytes Dying Gasp: yes Jumbo Ethernet frame: 10,240 bytes MTBF in hours (data): 1,452,667 ore
		Termen de garanție	1 an	Termen de garanție	1 an: CON-SNT-C10T48GL, SNTC-8X5XNBD Catalyst 1000 48port GE, 4x1G SFP, LANBa
					Detalii suplimentare sunt in datasheet anexat cu oferta.