

Specificații tehnice (F4.1)

Numărul licitației:	ocds-b3wdp1-MD-1571401936005	Data 29/10/2019	Alternativa nr.: n/a
Denumirea licitației:	Lot (1 - Switch Manageabil, Layer3 48 porturi)	Lot: (1)	Pagina: 1 din 4

Cod CPV	Denumire a bunurilor	Modelul articolului	Țara de origine	Produsul	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		8
Lot (1 - Switch Manageabil, Layer3 48 porturi)								
432420000-3	Switch Manageabil , Layer3 48 porturi	C9200L-48T-4G-E	USA	Cisco	Switch fundamentals: - Layer 2 (VTP, DTP, MSTP, PVRST+, Port Security, DHCP snooping), Routed Access (RIP, EIGRP Stub, OSPF - 1000 routes), PBR, PIM Stub Multicast (1000 routes), PVLAN, VRRP, PBR, CDP, QoS, FHS, 802.1X, MACsec128, CoPP, SXP, IP SLA Responder, DHCP server	C9200L-48T-4G-E	Catalyst 9200L 48-port data, 4 x 1G, Network Essentials	Declarație de conformitate
						included :		
						C9200L-NW-E-48	C9200L Network Essentials, 48-port license	
						CAB-TA-EU	Europe AC Type A Power Cable	
						PWR-C5-BLANK	Config 5 Power Supply Blank	
						C9200-STACK-BLANK	Catalyst 9200 Blank Stack Module	
						C9200L-DNA-E-48	C9200L Cisco DNA Essentials, 48-port Term license	
						C9200L-DNA-E-48-3Y	C9200L Cisco DNA Essentials, 48-port, 3 Year Term license	
						NETWORK-PNP-LIC	Network Plug-n-Play License for zero-touch device deployment	
						Included SmartNet		
CON-SNT-C920L48E	SNTC-8X5XNBD Catalyst 9200L 48-port data, 4 x 1G, Net							

					- Cross-stack EtherChannel - the ability to configure EtherChannel technology across different members of the stack for high resiliency. - SSH, SNMP (v2 and v3), web UI Telemetry and visibility: Modeldriven telemetry, sampled NetFlow, SPAN, RSPAN Automation: NETCONF, RESTCONF, YANG, PnP Agent, PnP RFID tags: the switch needs to have an embedded RFID tag that facilitates easy asset and inventory management using commercial RFID readers Bluetooth ready: The switch needs to have hardware support to connect a Bluetooth dongle, enabling the	
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				technician to use this wireless interface as an IP management port interface. The port can be used for configuration and troubleshooting using WebUI or the Command-Line Interface (CLI), and to transfer images and configurations Performance specifications: - Stacking bandwidth – 80Gbps - Total number of MAC addresses – 16000 - Total number of IPv4 routes (ARP plus learned routes) - 11,000 (8,000 direct routes and 3,000 indirect routes) - IPv4 routing entries – 3000 - IPv6 routing entries – 1500 - Multicast routing scale – 1000 - QoS scale entries – 1000	
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					- ACL scale entries – 1500 - Packet buffer per SKU – 6MB - Flexible NetFlow (FNF) entries - 16000 flows - DRAM – 2GB - Flash – 4GB - VLAN IDs – 1024 - Total Switched Virtual Interfaces (SVIs) – 512 - Jumbo frames – 9198 bytes - IP SGT binding scale – 10000 - Number of IPv4 bindings – 10000 - Number of SGT/DGT policies – 2000 - Number of SXP Sessions – 200 - Switching capacity – 104Gbps (64 bytes packets) - Switch capacity with stacking – 184Gbps (64 bytes packets) - Forwarding rate – 77.38 Mpps (64 bytes packets)	
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					Connectors and cabling: - 48 x 1000BASE-T ports: RJ-45 connectors, 4-pair Cat 5E UTP cabling 4 x SFP ports - Slot for stack module - Ethernet management port: RJ45 connectors, 4-pair Cat 5 UTP cabling - Management console port: RJ45-to-DB9 cable for PC connections, USB-C adaptor, USB adaptor - Power port for 220VAC Supported standards: (- IEEE 802.1s , - IEEE 802.1w /- IEEE 802.1x /- IEEE 802.1x-Rev/- IEEE 802.3ad /- IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and 1000BASE-T ports /- IEEE 802.1D Spanning Tree Protocol /- IEEE 802.1p CoS	
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					prioritization /- IEEE 802.1Q VLAN /- IEEE 802.3 10BASE-T specification - IEEE 802.3u 100BASE-TX specification - IEEE 802.3ab 1000BASE-T specification - IEEE 802.3z 1000BASE-X specification - RMON I and II standards Normal operating temperature and altitudes: -5°C to +45°C, up to 5000 feet (1500m) -5°C to +40°C, up to 10,000 feet (3000m) Minimum ambient temperature for cold start is 32°F (0°C) Short-term* exceptional conditions: -5°C to +50°C, up to 5000 feet (1500m) -5°C to +45°C, up to 10,000 feet (3000m)	
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					-5°C to +45°C, at sea level with single fan failure Relative humidity operating and nonoperating noncondensing: 5% to 90% noncondensing Altitude: up to 3000 meters, up to 45°C EMI and EMC compliance: - FCC Part 15 (CFR 47) Class A - ICES-003 Class A - EN 55032 Class A - CISPR 32 Class A - AS/NZS 3548 Class A - BSMI Class A - VCCI Class A - CISPR 35 - EN 55024, EN300 386*, EN 61000-3-2, EN 61000-3-3 - EN 61000-6-1 Safety compliance: UL 60950-1, CAN/CSA-C22.2 No. 60950-1, EN	
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					60950-1, IEC 60950-1, CCC, CE Marking LED indicators: - “AC OK”: Input power to the power supply is OK - “PS OK”: Output power from the power supply is OK Mean time between failures: 347760 hours Dimentions (cm): 4.4 x 44.5 x 32.9 Additional features which can be enabled by additional license: EIGRP, HSRP, IS- IS, BSR, MSDP, IP SLA, OSPF (no routes limits); VRF, VXLAN, LISP, SGT, Full Flexible NetFlow, EEM Warranty – one year - Not refurbished (Certificat/docume nt care ar confirma că echipamentul nu este refurbished) - În ofertă obligatoriu trebuie	
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					să fie indicat modelul comutatorului și tipul licenței.		
32420000-3 Switch	Switch Manageabil , Layer3 24 porturi PoE	C9200L -24P- 4G-E	USA	Cisco	Switch fundamentals: - Layer 2 (VTP, DTP, MSTP, PVRST+, Port Security, DHCP snooping), Routed Access (RIP, EIGRP Stub, OSPF - 1000 routes), PBR, PIM Stub Multicast (1000 routes), PVLAN, VRRP, PBR, CDP, QoS, FHS, 802.1X, MACsec- 128, CoPP, SXP, IP SLA Responder, DHCP server - Cross-stack EtherChannel - the ability to configure EtherChannel technology across different members of the stack for high resiliency. - SSH, SNMP (v2 and v3), web UI	C9200L-24P-4G-E	Catalyst 9200L 24-port PoE+, 4 x 1G, Network Essentials
						included :	
						C9200L-NW-E-24	C9200L Network Essentials, 24-port license
						CAB-TA-EU	Europe AC Type A Power Cable
						PWR-C5-BLANK	Config 5 Power Supply Blank
						C9200-STACK- BLANK	Catalyst 9200 Blank Stack Module
						C9200L-DNA-E-24	C9200L Cisco DNA Essentials, 24-port Term license
						C9200L-DNA-E-24-3Y	C9200L Cisco DNA Essentials, 24-port, 3 Year Term license
						NETWORK-PNP-LIC	Network Plug-n-Play License for zero-touch device deployment
						CON-SNT-C920L24G	SNTC-8X5XNBD Catalyst 9200L 24-port PoE+, 4 x 1G, Net

					Telemetry and visibility: Modeldriven telemetry, sampled NetFlow, SPAN, RSPAN Automation: NETCONF, RESTCONF, YANG, PnP Agent, PnP RFID tags: the switch needs to have an embedded RFID tag that facilitates easy asset and inventory management using commercial RFID readers Bluetooth ready: The switch needs to have hardware support to connect a Bluetooth dongle, enabling the technician to use this wireless interface as an IP management port interface. The port can be used for configuration and troubleshooting	
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					using WebUI or the Command-Line Interface (CLI), and to transfer images and configurations Efficient switch operation: The ports have to support reduced power modes so that ports not in use can move into a lower power utilization state. Other efficient switch operation features are as follows: - Per-port power consumption command allows customers to specify a maximum power setting on an individual port. - Per-port PoE power sensing measures actual power being drawn, enabling more intelligent control of powered devices. - The PoE MIB provides proactive visibility into power usage and allows you to set different power-level thresholds. Performance specifications: - Stacking bandwidth – 80Gbps	
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					- Total number of MAC addresses – 16000 - Total number of IPv4 routes (ARP plus learned routes) - 11,000 (8,000 direct routes and 3,000 indirect routes) - IPv4 routing entries – 3000 - IPv6 routing entries – 1500 - Multicast routing scale – 1000 - QoS scale entries – 1000 - ACL scale entries – 1500 - Packet buffer per SKU – 6MB - Flexible NetFlow (FNF) entries - 16000 flows - DRAM – 2GB - Flash – 4GB - VLAN IDs – 1024 - Total Switched Virtual Interfaces (SVIs) – 512 - Jumbo frames – 9198 bytes - IP SGT binding scale – 10000 - Number of IPv4 bindings – 10000 - Number of SGT/DGT policies – 2000 - Number of SXP Sessions – 200 - Switching capacity – 104Gbps	
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				(64 bytes packets) - Switch capacity with stacking – 184Gbps (64 bytes packets) - Forwarding rate – 77.38 Mpps (64 bytes packets) Connectors and cabling: - 24 x 1000BASE-T ports: RJ-45 connectors, 4-pair Cat 5E UTP cabling IEEE 802.3at and IEEE 802.3af - 4 x SFP ports - Slot for stack module - Ethernet management port: RJ-45 connectors, 4-pair Cat 5 UTP cabling - Management console port: RJ-45-to-DB9 cable for PC connections, USB-C adaptor, USB adaptor - Power port for 220VAC Supported standards: - IEEE 802.1s - IEEE 802.1w - IEEE 802.1x - IEEE 802.1x-Rev - IEEE 802.3ad - IEEE 802.3af - IEEE 802.3at - IEEE 802.3x full duplex on 10BASE-T, 100BASE-TX, and	
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					1000BASE-T ports - IEEE 802.1D Spanning Tree Protocol - IEEE 802.1p CoS prioritization - IEEE 802.1Q VLAN - IEEE 802.3 10BASE-T specification - IEEE 802.3u 100BASE-TX specification - IEEE 802.3ab 1000BASE-T specification 6 - IEEE 802.3z 1000BASE-X specification - RMON I and II standards Normal operating temperature and altitudes: -5°C to +45°C, up to 5000 feet (1500m) -5°C to +40°C, up to 10,000 feet (3000m) Minimum ambient temperature for cold start is 32°F (0°C) Short-term* exceptional conditions: -5°C to +50°C, up to 5000 feet (1500m) -5°C to +45°C, up to 10,000 feet (3000m) -5°C to +45°C, at sea level with	
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					Additional features which can be enabled by additional license: EIGRP, HSRP, IS-IS, BSR, MSDP, IP SLA, OSPF (no routes limits); VRF, VXLAN, LISP, SGT, Full Flexible NetFlow, EEM Warranty – one year Not refurbished (Certificat/document care ar confirma că echipamentul nu este refurbished) - În ofertă obligatoriu trebuie să fie indicat modelul	
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Data: 28.10.2019