

| № | Захиалагчийн техникийн тодорхойлолт |
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| I. Дата төвийн свич төхөөрөмж-48 порт нь C9300X-48TX-A эсхүл түүнтэй дүйцэхүйц байна. | |
| 1.1 | Баглаа боодолтой, шинэ төхөөрөмж байх |
| 1.2 | Device Type: Switch - 48 ports - L3 - managed – stackable |
| 1.3 | Rack-mountable |
| 1.4 | 10 Gigabit Ethernet |
| 1.5 | 48 x 100/1000/2.5G/5G/10GBase-T |
| 1.6 | Switching capacity: 2000 Gbps Switching capacity with stacking: 3000 Gbps Forwarding rate: 1488 Mpps Forwarding rate with stacking: 2232 Mpps |
| 1.7 | IPv4 routing table entries: 39000 Multicast routes: 8000 QoS scale entries: 4000 ACL scale entries: 8000 IPv6 routing table entries: 19500 Packet buffer size: 16 MB FNF entries: 64000 VLAN IDs: 4094 Switched virtual interfaces (SVIs): 1000 |
| 1.8 | MAC Address Table Size:32000 entries |
| 1.9 | Jumbo Frame Support: 9198 Bytes |
| 1.10. | Max Units In A Stack: 8 |
| 1.11 | Routing Protocol: RIP, RIP-1, RIP-2, VRRP, PIM-SM, static IP routing, GRE, PIM-SSM, policy-based routing (PBR), RIPng, MSTP, STP, LISP |
| 1.12 | Remote Management Protocol: SNMP 1, RMON 1, RMON 2, SNMP 3, SNMP 2c, HTTP, CLI, NETCONF, RESTCONF, gRPC, YANG |
| 1.13 | Encryption Algorithm: 128-bit AES, 256-bit AES |
| 1.14 | Features: VPN support, full duplex mode, Quality of Service (QoS), Cisco StackWise Technology, Rapid Per-VLAN Spanning Tree Plus (PVRST+), Shaped Round Robin (SRR), LACP support, Remote Switch Port Analyzer (RSPAN), Flexible NetFlow (FNF), 802.1x authentication, DiffServ Code Point (DSCP) support, Virtual Private LAN Service (VPLS), Control plane protection (CoPP), Ethernet Virtual Private Network (EVPN), Ethernet over MPLS (EoMPLS), Blue Beacon LED, Zero-touch provisioning (ZTP), Energy-Efficient Ethernet (EEE), Switched Port Analyzer (SPAN), Protocol Independent Multicast (PIM), First Hop Security (FHS), PVLAN support, Committed Information Rate (CIR), Cisco Unified Access Data Plane (UADP) 2.0, Cisco Discovery Protocol (CDP), mDNS, Secure Unique Device Identification (SUDI), Preboot Execution Environment, Cisco StackWise-1T technology |
| 1.15 | Compliant Standards: IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ae, IEEE 802.3an, IEEE 802.3at, IEEE 1588v2, IEEE 802.1BA, IEEE 802.3bz |
| 1.16 | RAM: 16GB |
| 1.17 | Flash Memory: 16GB |
| 1.18 | Power Device |
| 1.19 | Internal power supply - hot-plug |
| 1.20. | Installed Qty – 2 |
| 1.21 | Power Provided – 715 Watt |
| 1.22 | USB ports - 1 |
| 1.23 | RS-232 serial ports - 1 |

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| 1.24 | Power Provided – 715 Watt | | | | | |
| II. Шилэн кабелийн хөрвүүлэгч /10G SFP modul/ нь Cisco 10G Short Range SFP модуль төхөөрөмж нь Cisco SFP-10G-SR-X төхөөрөмж эсхүл түүнтэй дүйцэхүйц байна. | | | | | | |
| 2.1 | SFP модуль DOM-тэй байх шаардлагатай. | | | | | |
| 2.2 | SFP+ | Wavelength (nm) | Cable Type | Core Size (Microns) | Modal Bandwidth (MHz * km) | Cable Distance |
| | SFP-10G-SR-X | 850 | MMF | 50 | 4700 (OM4) | 400m |
| III. Серверийн сүлжээ карт /10g хурдтай / нь 10Gtek For Intel X520 эсхүл түүнтэй дүйцэхүйц байна. | | | | | | |
| 3.1 | Сав баглаа боодолтой шинэ төхөөрөмж байх | | | | | |
| 3.2 | Dell R740 загвар моделиудад таарах | | | | | |
| 3.3 | 10Gbps –ийн 2 ширхэг SFP оролттой байх | | | | | |
| 3.4 | PCI Express2.0 x8 | | | | | |