

INDIAN INSTITUTE of TECHNOLOGY KANPUR

Department of Computer Science & Engineering

IITK/CSE/2015-2016/ 91

08/03/2016

Sub: Purchase of **Dell N4032 Network Switch**

We're interested in buying a 10GbE Network Switch with the following specifications. Please send sealed quotation along with technical specs & Price for the same. The Envelop must be inscribed with "**Quotation for Dell N4032 Network Switch**".

Make/Model: Dell N4032

Specifications

- 24*10GbE RJ45 auto-sensing (10Gb/1Gb/100Mb) fixed ports, 1*hot swap expansion module slot, 2* internal redundant PSU from day 1
- Should have RJ45 based out of band management port, USB port for configuration backup
- 256MB Flash, 2GB RAM, 9MB packet buffer memory, dual firmware image on board
- Switch should have expansion slot supporting both 4-port 10GbE SFP+ & 2-port 40GbE QSFP+ modules for future expansion.
- Switch should support stacking option with stacking bandwidth of 160Gbps and upto 8 units
- Energy Efficient Ethernet compliant
- Should have CDP or equivalent, RSTP-per VLAN, 802.1x Network Access Control, Auto VLAN, 802.2 Logical Link Control, Dynamic Arp Inspection, IP Address filtering.
- 130K MAC address, 8K IPv4 dynamic routes, 4K IPv6 dynamic routes.
- Total Switching Capacity: 640Gbps for wire rate performance.
- Min. Forwarding rate: 476 Mbps
- Layer3 Protocols: RIPv1/v2, OSPFv1/v2/v3, MLAG, VRRP, LLDP-Med, static routes, PIM-SM, PIM-DM, IGMPv1/v2/v3, Policy Based Routing, Graceful Restart
- Converged network support for DCBx, with Priority Flow Control (802.1Qbb), ETS (802.1Qaz), iSCSI TLV, OpenFlow 1.0 from day 1.
- Should have AES cipher suites for TLS, SSL support, HTTP over TLS, captive portal authentication
- Should have 4K VLAN support, Broadcast storm control
- Auto-negotiation for speed, duplex mode and flow control
- Auto MDI/MDIX Port mirroring, Flow-based port mirroring, RSPAN
- TACACS+, AAA, RADIUS support, DHCP server & relay
- Management: Embedded Web Server, Serial & Telnet, SNMPv2/V3 & RMON, Industry-standard CLI, Web GUI
- FCC Class-A, CE Class-A, EU WEEE, REACH, RoHS compliant
- Power Consumption: (max)- 250W
- Redundant Power Supply - Internal Hot-Swap
- True - Lifetime Warranty
- 10 Units of **CAT 6A** of length 5mts should be provided.

GENERAL INFORMATION

1. One per Bidder : A bidder is allowed to submit only one bid.
2. All quotation must reach undersigned on or **Before 11 March 2016 at 17.00 hrs**

3. Quotation must be valid for 90 days after the last date of quotation submission
4. All prices are to be **FOR IIT Kanpur**.
5. Delivery period should not be more than 4 weeks
6. IITK is exempted from excise/custom duty.
7. Payments: 90% on installation and 10% satisfactory report.
8. The Penalty @1% per week or part thereof subject to max 10% of the delivery price will be deducted from the balance payment, if supply is not completed within stipulated period.

T.V.P.

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