

Technical Specification/Compliance Statement for Network Switch - 48 Ports

(To be submitted on bidder's Letter -head as part of Technical Bid)

Bidder's Name :

Address & Contact Detail:

Bidder's Reference No:----- Date:-----

Sr. No.	Detail Technical Specification : Network Switch 48 Ports Managed Non PoE Layer 2 Access Switch		Bidders Specifications **[Ref. Footnote]	Confirmation/ Deviation if Any	Justification/ Reason
	Make:				
	Model:				
1	Hardware				
	Type of Switch	Managed (Layer 2 Access Switch)			
	Technology	Non PoE			
	Form Factor	1 RU fixed rack-mountable switch			
	Model	Cisco Catalyst C9200-48T-E or Equivalents/ (Similar Layer 2 Access Switches)			
	Number of 1G Copper Ports	48			
	Downlink Ports:	48 × 100/1000 (Gigabit Ethernet) RJ-45 data ports			
	PoE Support	None			
	Number of 10G Copper Ports	0			
	Number of 1 G SFP Port (Uplink)	4			
	Number of 10 G SFP+ Port (Uplink)	0			
	Multi-Gigabit Support	No			
	Redundant Power supply (from day one)	Supported			
	Fans	Yes or silent operation			
	Console Port	Available			
2	Performance				
	Switching Capacity-Non Blocking (Gbps)	128 or better			
	Forwarding Rate	77.38 Mpps or above			
	MAC Address Table	32K entries or better			
	Packet Buffer	1.5 MB			
	Latency	3.9 μs			
	Throughput (MPPS)	77.38 or better			
	Operating System	Available			
	Dedicated Stacking Port/Slot (from day one)	Supported			
	Stacking Bandwidth (Gbps)	160 or better (up to 8 switches)			
3	Features				
	Basic Layer-2 Protocol	VLANs, STP (PVST+, RPVST+, MST), Link Aggregation (LACP), IGMP Snooping			
	Basic Layer-3 Protocol	RIP,EIGRP Stub,PBR,PIM StubMulticast,inter-VLAN routing, PVLAN, VRRP,PBR,CDP, QoS, FHS,802.1X, CoPP,IP SLA			
	QoS	802.1p,SP,8 Queues per port,Shaping,Policing/Rate Limiting,Strict PriorityQueueing			
	Security Feature	DHCP Snooping,ARP inspection, TrustSec, 802.1X,RADIUS/TACACS,MACsec-128,NETCONF,YANG,PnP, telemetry Access Control Lists (ACLs) MACsec (128-bit encryption on uplinks)			
	Management Protocol	GUI, Telnet, Syslog,TFTP,SNMPv1/2/3,NTP, RMON, SSHv2, Web UI, CLI, or SNMP			
4	Power & Environmental				
	Power Supply	Modular (field-replaceable)			
	Redundant Power	Supported (with optional PSU)			
	Max Power Consumption	75W (non-PoE)			
	Operating Temperature Range (Degree C)	5°C to +50°C			
	Operating Humidity (RH)(%)	5 to 90			
	IPv6 Ready from day one and dully certified	Yes			
	PoE Power Budget (Watt)	0			
	On Site OEM Warranty	As per OEM Standard (Life Time Support)			

We shall comply with, abide by, and accept without variation, or reservation all Technical Specifications, Quality Assurance, and Warranty requirements in the Tender Document, except those mentioned above. If mentioned elsewhere in our bid, contrary terms and conditions shall not be recognised and shall be null and Void.

.....
(Signature with Date)

.....
(Name & Designation)

Duly authorised to sign bid for and on behalf of

.....
(Name and Address of Bidder and seal of Company)

*Note:- General Conditions of Contract (GCC), Special Conditions of Contract (SCC) / Other Terms and Conditions of Contract describe the conditions that shall govern the resulting contract. In case of a conflict, provisions of SCC shall prevail over those in the GCC. Any generic reference to GCC shall also imply a reference to SCC as well. In case of any conflict, provisions of GCC/SCC shall prevail over those in Instruction To Bidders(ITB). Bidders must fill up "Terms and Conditions - Compliance" regarding any deviations from terms and conditions of this and other Schedules.

** Important note: The bidder must provide exact and relevant input against the specified features having "numerical values" or "% values" or any "specific requirement" in the same format as specified in the tender document under bidder's specification column. Any response specifying Confirmed / Agreed / Complied etc. under bidder's specification column shall be summarily rejected.

***COMPLIANCE STATEMENT WITH RESPECT TO THE TECHNICAL SPECIFICATIONS MENTIONED ABOVE SHOULD BE PROVIDED BY INDICATING THE BROCHURE PAGE NUMBER /PARA NUMBER/LINE NOS FOR EACH SPECIFICATION WITHOUT FAIL.

Technical Specification/Compliance Statement for Network Switch - 24 Ports

(To be submitted on bidder's Letter -head as part of Technical Bid)

Bidder's Name :

Address & Contact Detail:

Bidder's Reference No:----- Date:-----

Sr. No.	Detail Technical Specification :		Bidders Specifications **[Ref. Footnote]	Confirmation/ Deviation if Any	Justification/ Reason
	Network Switch 24 Ports Managed Non PoE Layer 3 Access Switch				
		Make:			
		Model:			
1	Hardware				
	Type of Switch	Managed (Layer 3 Access Switch)			
	Technology	Non PoE			
	Form Factor	1 RU fixed rack-mountable switch Dual redundant power supply options.			
	Model	Cisco C9300-24T-E or Equivalents (Similar Layer 3 Access Switches)			
	Number of 1G Copper Ports	24			
	Downlink Ports:	24 × 10/ 100/1000 (Gigabit Ethernet) RJ-45 data ports (non-PoE data ports.)			
	PoE Support	None			
	Number of 10G Copper Ports	1			
	Number of 1 G SFP Port (Uplink)	0			
	Number of 10 G SFP+ Port (Uplink)	4 (fiber).			
	Multi-Gigabit Support	Yes			
	Stacking	Supports StackWise-320 with up to 320 Gbps stacking bandwidth.			
	Stacking accessories	Yes			
	Redundant Power supply (from day one)	Supported			
	Fans	Yes or silent operation			
	Console Port	Available			
2	Performance				
	Switching Capacity-Non Blocking (Gbps)	128/176 Gbps or better			
	Forwarding Rate	95 Mpps or better			
	MAC Address Table	32K entries or better			
	Packet Buffer	1.5 MB			
	Latency	3.9 μs			
	Throughput (MPPS)	77.38			
	DRAM	8 GB or better			
	Flash	16 GB or better			
	Operating System	Available			
	Dedicated Stacking Port/Slot (from day one)	Supported			
	Stacking Bandwidth (Gbps)	160 or better (up to 8 switches)			
3	Features				
	Basic Layer-2 Protocol	VLANs, STP (PVST+, RPVST+, MST), Link Aggregation (LACP), IGMP Snooping			
	Basic Layer-3 Protocol	RIP,EIGRP Stub,PBR,PIM StubMulticast,inter-VLAN routing, PVLAN,VRRP,PBR,CDP,QoS, FHS,802.1X, CoPP,IP SLA			
	QoS	802.1p,SP,8 Queues per port,Shaping,Policing/Rate Limiting,Strict PriorityQueueing			
	Security Feature	DHCP Snooping,ARP inspection, TrustSec, 802.1X,RADIUS/TACACS,MACsec-128,NETCONF,YANG,PnP, telemetry Access Control Lists (ACLs) MACsec (128-bit encryption on uplinks)			
	Management Protocol	GUI, Telnet, Syslog,TFTP,SNMPv1/2/3,NTP, RMON, SSHv2, Web UI, CLI, or SNMP DNA Center support for automation/monitoring			
	license	Available Optional Full L3 License			
4	Power & Environmental				
	Power Supply	Dual redundant power supplies			
	Redundant Power	Supported (with optional PSU)			
	AC Power Cords length	2.5 M			
	Max Power Consumption	75W (non-PoE)			
	Operating Temperature Range (Degree C)	5°C to +50°C			
	Operating Humidity (RH)(%)	5 to 90			
	IPv6 Ready from day one and dully certified	Yes			
	PoE Power Budget (Watt)	0			

	On Site OEM Warranty	As per OEM Standard (Life Time Support)			
5	Uplink Module, License and Cables				
	Network module	Field-replaceable network modules (SPF / SPF+)			
	Multi-Gigabit Support	8 x 10 Gig SPF/SPF+ with NM card model			
	Stack Cables	3M Type 3 Stacking Cable			

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 (Signature with Date)

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Technical Specification/Compliance Statement for Console Cable

(To be submitted on bidder's Letter -head as part of Technical Bid)

Bidder's Name :

Address & Contact Detail:

Bidder's Reference No:----- Date:-----

Sr. No.	<u>Detail Technical Specification :</u> Console Cables	Bidders Specifications **[Ref. Footnote]	Confirmation/ Deviation if Any	Justification/ Reason
	Make: Model:			
1	Console Cable 6 ft with USB Type A and mini-B			

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