

High-end Router - Specifications

Description	Minimum Technical Specification Required	Bidder's Compliance	
		Yes/No	IF " No" Bidders offer
Brand	(Specify)		
Model	(Specify)		
Country of Origin	(Specify)		
Country of Manufacture	(Specify)		
Rack Support	19. Rack Mountable		
Rack Height	Maximum 1U		
Total onboard WAN or LAN 10/100/1000 ports	2 Ports		
Interface Modules	2 Slots		
DRAM	512 MB		
Compact Flash	256 MB		
USB 2.0 slots	1 Slots		
USB Console	Required		
2 Port Serial WAN Interface Card with Cables	Required		
Power-supply	1 Slots		
Embedded hardware-based cryptography acceleration (IPsec + SSL)	Required		
Intergrated Power Supply	Required		
Security	IPSec Network Security		
	Time-Based Access Lists Using Time Ranges(ACL)		
	ACL - Reflexive Access Lists		
	Embedded IP Security with Secure Sockets Layer (IPSec/SSL) VPN hardware acceleration		
	Unicast Reverse Path Forwarding (uRPF)		
	Secure Shell (SSH) Protocol, Kerberos, and Simple Network Management Protocol Version 3 (SNMPv3)		
	TACACS+ and RADIUS authentication		
	Switch Port Analyzer (SPAN)		
	Advanced Encryption Standard (AES)		
	Network Base Application Recognition		
	Group Encrypted Transport VPN, Dynamic Multipoint VPN		
	authentication, authorization, and accounting (AAA) public key infrastructure (PKI)		

IP Routing	unicast routing protocols (Static, Routing Information Protocol Version 1 [RIPv1], and RIPv2, RIPv3, OSPF, BGPv4 and IPv6 routing OSPFv3)		
	IP multicast routing is support		
	NetFlow and MPLS Egress NetFlow		
	Multi-VRF Support (VRF lite)		
	IPv6 VPN over MPLS (6VPE)		
Quality of Service	MPLS VPN VRF Selection using PBR (Policy Based Routing)		
	802.1p class of service (CoS) and differentiated services code point (DSCP) field classification using marking and reclassification on a per-packet basis by source and destination IP address, MAC address, or Layer 4 TCP/UDP port number. Hierarchical QoS, Policy-Based Routing (PBR), Performance Routing (PFR), and Network-Based Advanced Routing (NBAR)		
	Policy-Based Routing		
	IPv6 QoS: (Quality of Service)		
High Availability	Queueing		
	Nonstop Forwarding Awareness		
	VRRP		
	Next Hop Resolution Protocol (NHRP)		
Encapsulations	IP SLAs		
	Ethernet, 802.1q VLAN, Point-to-Point Protocol (PPP), Multilink Point-to-Point Protocol (MLPPP), Frame Relay, Multilink Frame Relay (MLFR) (FR.15 and FR.16), High-Level Data Link Control (HDLC), Serial (RS-232, RS-449, X.21, V.35, and EIA-530), Point-to-Point Protocol over Ethernet (PPPoE), and ATM		
	Secure Shell (SSH) Protocol, Kerberos, and Simple Network Management Protocol Version 3 (SNMPv3)		
Management	TACACS+ and RADIUS Authentication		
	CLI-based management console		
Power Specifications	100 -240 VAC Voltage (Autoranging)		
	AC Input 47 to 63 Hz		
	1.5--0.6A Current		
Warranty	Comprehensive onsite warranty shall cover the whole system for 3 years (All charges, material, labor and other incidentals have to be borne by the supplier during the warranty)		