

Standard description 24 port IP based DSLAM with 24 No. ADSL Modem + Router CPE unit along with all accessories & Cables as per specification.

SN	Description
1	IP-DSLAM shall have the capability to provide and support at least following services, Interfaces & protocols
i	Plain old telephone services (POTS)
ii	ADSL/ADSL 1/ADSL 2 +/- ITU-T recommended-G.992.1,992.3,992.5
iii	Fast Ethernet Ports.
2	Equipment rack Cabinet - The IP - DSLAM Equipment shall be 19" Rack Mounted Type.
3	POTS Splitter - The POTS splitter shall be fully compliant to ITU - T G.992.3
i	For ADSL Signals - It shall provide protection from the High Frequency transients and Impedance effects that occurs during POTS operation.
ii	The splitter at the central office equipment end shall be an integral part of the IP - DSLAM equipment.
4	The ADSL Transmission unit line shall contain the following
i	A number of down stream frame bearer.
ii	A number of up stream frame bearer of base band POTS/ISDN duplex channel.
iii	The maximum down stream/up stream rate is 16 Mbps/800 Kbps and maximum reaching distance is over 6 Kms.
iv	It should be suitable to provide high speed internet access on existing copper twisted pair of telephone lines.
v	Multimode (Automatic modulation detection).
vi	Support packets transmit & receive statistics report.
vii	Band width management control on each port at 32 Kbps interband.
viii	Extended power management capabilities to optimize power consumption for each application.
5	Management
i	SNMP based GUI EMS
ii	Local RS 232 CLI & Ethernet SNMP/Telnet management.
iii	Remote inband SNMP/Telnet management.
iv	SNMP v1,v2c,v3
v	Firmware upload/download via FTP/TFTP.
vi	Web based management
6	Protocol Support
i	IGMP snooping
ii	SNMP/UDP/IP/MAC/Ethernet
7	System features
i	2 No, 10/100/1000 based - Tx port, one for uplink and another one for cascade.
ii	Support up to 8 units to be cascaded.

iii	SNMP Management Agent and MIB II
iv	TFTP/FTP
v	BOOTP client/Boot service
vi	PPPoE Intermediate Agent.
vii	IP Packet size 64 to 1522
viii	8 VCs per ADSL port .
ix	DHCP Relay Agent.
x	128 MAC Address for ADSL port.
xi	24* 128 MAC Address.
xii	Packet prioritizing per 802.1 (QoS)
xiii	Support multiple PVC QoS configuration.
8 Bridging	
i	Ethernet bridging - Broadcast, Flooding,dropping
ii	VLAN bridging - 512 VLAN support, static VLAN,stacking VLAN & trunking VLAN
9 Multicast	
i	Upto 256 multicast address
ii	IGMP v1,v2 snooping & IGMP proxy mode support
iii	IGMP filtering profile & count limiting
10 Security	
i	Throtting control
ii	Sticky bridge port
iii	MAC Address Access control list
iv	IP Address access control list
11 Input Power	
i	AC power model = 90VAC to 250 VAC 50- 60 Hz
ii	DC power model = _ 40 VDC to _ 60 VDC
iii	Power cosumption = Approx. 150 Watts
12 Operating Environment	
i	Operating Temperature = 0° to 60° C
ii	Storage Temperature = 30° to 70° C
iii	Operating Humidity = 5% to 95% non condensing

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