IP DSLAM

FES 24 Port IPDSLM

Overview:

FES-24 Port IPDSLAM ensure the interoperability with standard compliant VDSL/ADSL CPE & compliant with ITU-T G.993.2, G994.1, G.997.1 and G.993.5 vectoring and bonding. Supports with 100 Mbps in both upstream and downstream traffics on VDSL with two Gigabit combo ports to connect upper layer attach to a relay rack/cabinet or can be mounted to a wall with the wall mount bracket version.

Header :

Brand : FES
Product Line : Forever Engineering Systems Pvt. Ltd.

Features:

SYSTEMS :
o   16 K MAC addresses
o   256 static MAC address filtering & Port security (Optional)
o   Broadcast/Multicast/Destination lookup fail storm control
o   Spanning tree protocol (IEEE 802.1D)
o   QoS (IEEE 802.1P, 8 priority queues)
o   Port-based and tag-based (IEEE 802.1Q) VLAN
o   GVRP for automatic VLAN membership registration
o   Link aggregation (IEEE 802.3ad)
o   IGMP snooping, MVR, RMON, SNMP
o   MIB II, RFC1493, 2674 and 1757 MIB, and private MIB
o   Web management
o   FTP for firmware upgrade
o   CLI through console port and telnet IPv4, IPv6
o   ADSL2+/VDSL2 bonding
o   ADSL2+ fallback & bonding
o   G.INP (G.998.4)
o   VDSL2 Vectoring (Optional)

o   **Hardware :**
o   1U, 19" rack mountable

- o Telco 50 for 24 VDSL & POST ports
- o 2-slot 100/1000 Mbps Ethernet uplink/downlink
- o 2-slot Gigabit fiber uplink/downlink (Combo)
- o Built-in POTS splitter supports 600 ohm ETSI
- o AC and DC dual power (Power redundancy optional):
  - ☐ AC input: 100 VAC to 264 VAC, 60 Hz ±3 Hz
  - ☐ DC input: -36 VDC to -72 VDC
- o Power consumption: 63 W

Performance :

- o T568A & T568B wiring scheme
- o Insertion force: 20N max. (IEC 60603-7-4)
- o Retention strength: 7.7 kg between jack and plug
- o Life (mating cycles):
  Jack: 750 cycle's min (ISO/IEC 11801, IEC 60603-7-4)
   IDC: suitable for 22-26 AWG stranded and solid wire
  compatible with both 110& Krone punch down tools
- o The Cat6 transmission performance is in compliance with the ANSI/TIA/EIA 568B.2 -1 standard
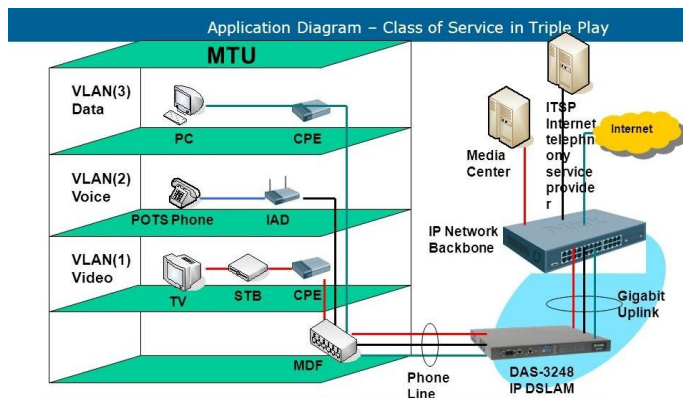- o Six port modules applied

Environmental Parameters

- o Operating Temperature: -40°C to 65°C (-40°F to 149°F)
- o Operating Humidity: 10% to 95% (Non-condensing)
- o Storage Temperature: -40°C to 70°C (-40°F to 158°F)
- o Storage Humidity: 5% to 95% (Non-condensing)

Compatibility

- o ALL MAKES Supported

Technical Specification

o	Type of Gateway	o	TDM/FXS EXTENSION
o	Details of functionality provided	o	TDM/FXS EXTENSION, TDM CO/JUNCTION / FXO, MEDIA CHANNEL
o	Ports Per Gateway	o	24
o	Make of EPABX supported	o	All Makes Support
o	Model of EPABX supported	o	All Makes Support
o	Other Features	o	VDSL - 24VDSL2, 2GE, 2SFP (Combo)
		o	ADSL - 24ADSL2+, 2GE (24ADSL2+, 1GE, 1SFP)
o	ADSL/ADSL2/ADSL2+	o	Downstream: <25Mbps / Upstream : <1Mbps
o	VDSL2	o	Downstream: <100Mbps/ Upstream : <100Mbps
o	Distance up to	o	VDSL - <1.2-6KM
		o	ADSL - <6-8KM
o	Cable (telco)	o	Included
o	Modem (CPE)/ Module (SFP)	o	Optional

Application Diagram – Class of Service in Triple Play