



Feature Matrix:

Ethernet Products – EVPL, EPL, DEPL.

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1.1 Introduction:

Sify's Ethernet Portfolio consist of the following products:

- EVP - Ethernet Virtual Private Line.
- EPL - Ethernet Private Line.
- DEPL - Dedicated Ethernet Private Line.

Below Product Matrix, shows key features that are available for each product.

1.2 Features Matrix:

FEATURE	EVPL	EPL	DEPL	Layer -1
Bandwidth 2Mbps - 1Gbps	✓	✓		
Bandwidth 50Mbps – 1Gbps	✓	✓		
Bandwidth 1Gbps - 3Gbps	✓	✓	✓	
Bandwidth 3Gbps – 10Gbps (Note: Throughput Maximum 9.7Gbps)			✓	
Layer 1 (Between POP Locations) - 1,10, 100Gbps				✓
Wi-Fi Access (Wimax) Up to 50Mbps	✓			
Fast Ethernet - 100BaseTx (copper, RJ45, full duplex)	✓	✓		
Gig-E - 1000BaseTx (copper, RJ45, full duplex)	✓	✓		
Gig-E -10Gbase LR: 1310nm, single mode, 2m- 10km	✓	✓	✓	✓
Gig-E - 10Gbase LX (fiber, Single Mode,1310nm, full duplex)	✓	✓	✓	✓
Gig -E – 1000Base LX (fiber, SM, 1310nm, full duplex)	✓	✓	✓	✓
MTU: Up to 1500 Bytes	✓	✓	✓	✓
MTU: Up to 9000 Bytes (Jumbo Frames)		✓	✓	✓
MAC Addresses: Up to 50	✓	✓	✓	✓
MAC Addresses: Up to 100		✓	✓	✓
MAC Addresses: Up to 4000		✓	✓	✓
MAC Address Transparency		✓	✓	✓
MACsec Protocol (Layer 2) – <i>On request.</i>		✓	✓	✓
Multicast MAC & L2 Frame MAC Addresses	N/A			
VLANs: Up to 50	✓	✓	✓	✓
Unlimited VLAN's (802.1Q Limit= 4096)		✓	✓	✓
VLAN Transparency	✓	✓	✓	✓
Complete Layer 2 Protocol Transparency, including Ethernet OAM, CFM, Ethernet Header		✓	✓	✓
MEF (CE2.0) Compatible	✓	✓	✓	✓
Point -to-Point	✓	✓	✓	✓
Point-to-Multipoint	✓			
Service Multiplexing	✓	✓		
COS Support	✓			

FEATURE	EVPL	EPL	DEPL	Layer -1
Contention based Service – Sify MPLS	✓	✓		
Contention Free Capacity – End – to End			✓	✓
E-LMI supported		✓	✓	✓
ITU Y.1731 (Ethernet Services OAM Supported)		✓	✓	✓
802.3ah Ethernet in the first mile OAM		✓	✓	✓
802.1ag Ethernet fault management (CFM)		✓	✓	✓
Q-in-Q supported	✓	✓	✓	✓
EtherType 0x8100 (outer VLAN Tag)	✓	✓	✓	✓
EtherType 0x9100 (router VLAN Tag)	Case By Case			
EtherType 0x88A8 (router VLAN Tag)	Case By Case			
Link Loss Forwarding		✓	✓	✓
E-Line (Point-to-point E-Line Service)	✓	✓	✓	✓
BERT (Test)		✓	✓	✓
BERT (Test) 9000 MTU			✓	✓
RFC2544 (/Y.1564/Y.1564)) Test		✓	✓	✓

Note: Unticked cells – Feature not available for product.