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## **RSTP Optical Modem Technical Specifications**

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### **Features:**

- ❖ Built-in Four Port Ethernet Switch
- ❖ Supports Single Fiber and Dual Fiber Mode Optional
- ❖ Ordering time 1310nm Or 1550nm Selectable
- ❖ Simple Or Duplex Mode of Operation on Fiber
- ❖ Selectable ordering time 20Km, 40Km, 80Km Optical Modules.
- ❖ Interoperable with the other Optical Modems.
- ❖ RSTP / STP Enabled Four Port inbuilt switch.
- ❖ RSTP/STP can be Enabled Or Disabled.
- ❖ Each Port UP and DOWN events sending through the SNMPv1 / SNMPv2 traps
- ❖ Manageable with the standard SNMPv1, SNMPv2 Managers

### **Optical Interface Features.**

- ❖ Fiber Mode : Single Or Dual Fiber
- ❖ Fiber Distance : 20Km / 40Km / 80Km
- ❖ Optical Mode : Simplex or Duplex
- ❖ Wavelength : 850nm/ 1310nm/ 1550nm
- ❖

### **Ethernet Interface Specifications**

- ❖ No. of Ethernet ports : 4 (4 Port Switch), RJ45 connectors for UTP cables
- ❖ Interface Compliance : IEEE802.3 Compliant
- ❖ 10Base-T and 100Base-TX support
- ❖ High Performance Look up engine with the support for the 1024 MAC address entries with the automatic learning and aging.
- ❖ Each EthernetPort statistics Transmit, Receive, Error, FCS, Packets Display
- ❖ Bridging Protocol Supported: Ethernet Over First Mile EFM Protocol
- ❖ Supports Auto negotiation and the Auto Cross Over for each and every port.
- ❖ Speed, Link act Indications on Ethernet Ports

### **Management**

- ❖ Menu Driven Console from RS232 Serial Port Operating with the 9600Baud Rate
- ❖ Supports Telnet, SNMPv1, SNMPv2
- ❖ Supports HTTP for configuration and Status Management of the SDHSL line as well as the Four port Ethernet switch.
- ❖ Firmware upgrade with the X-Modem Protocol Or TFTP protocol using the inbuilt 4 Ethernet Ports.

### **RS232 Serial Ports Specifications:**

- ❖ Baud Rate: 115.2Kbps, 8, N, 1 Format.
- ❖ Supports VT100 Emulation with the Menu driven Self-Guided.

### **Front Panel Indications**

- ❖ PWR, ETH\_LINK, ETH\_SPEED TEST, ALM, Ethernet Ports Speed, Link and Activation

**Power Supply:**

- ❖ Operating Voltage 230VAC 50/60 Hz Operation and 48V DC.
- ❖ Single Power Supply will support both the AC and DC voltages

**Environment:**

- ❖ Operating Temperature: -5 to 50 Degree Centigrade

**Application Diagram:**

