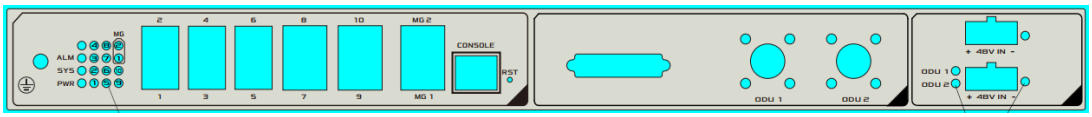
DMR-SWITCH



Description

DMR-SWITCH is a new generation that enables users to combine TDM and Ethernet traffic from routers, switches and E1 systems and transport over Ethernet or IP network. Any L2 Ethernet and E1 equipment can be seamlessly connected to DMR-SWITCH for transporting over Ethernet. The uplink ports are IEEE 802.3 complaint, supporting 2-Gigabit Fiber ports, which support LACP (Link aggregation control protocol). The unique L2 Gigabit Ethernet Switch for IP Radio transport with 2+0 load balance based on MAC/IP/Port.

KEY FEATURES

- Supports 2+0 IP radio with load balance function
- Traffic distribution is based on MAC/IP/Port for Load balance
- Provides 8 x E1 complaint to G.703,G.704,G.8261, G.823 and MEF18 (optional)
- 8 x E1(RJ45) with LOS indicator
- Provide 4-Ethernet ports, 6 GE optical ports, and 2 10/100/1000 Management Ports.
- Support SAToP and CESoP, compliant to RFC4553,RFC5086,Y.1413,Y.1453,MEF18
- Supports ACR (Adaptive Clock Recovery) and DCR (Differential Clock Recovery) to meet jitter and wander requirements G.8261, G.823 and G.824
- Clock frequency generation meets 16ppb requirements
- E1 frame: Unframed, PCM31,PCM31C,PCM30,PCM30C (optional)
- Support AIS, RDI, RAI, LOS, LOF, LOMF, FERF alarm detection and processing
- Support local and remote Loopback

Interfaces

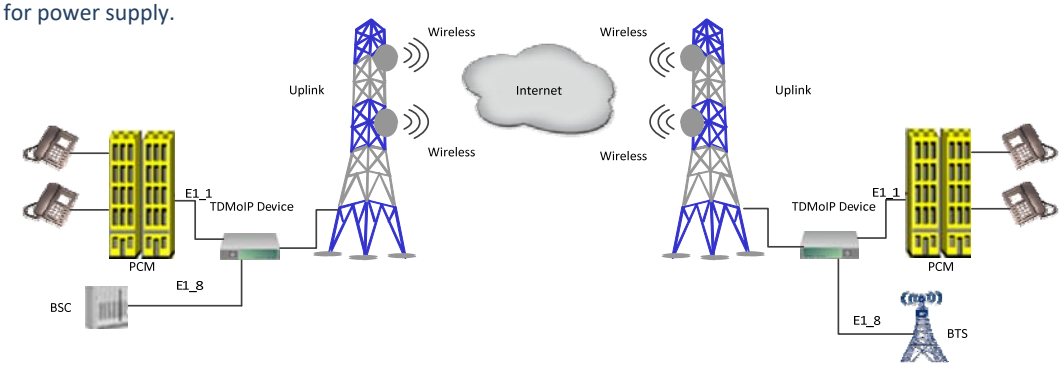
- 8 x E1 ports(RJ45) with 75/120 ohm resistive impedance
- **6x** 1000 base-X SFP **fiber** ports, 4x 10/100/1000 copper ports for Service transport
- 1x Console and 2x Management interface ports.
- Two N-type ports to supply power for ODU(-48V)
- Two 48V in for power supply.

L2 Features

- Port Based VLAN (Maximum 4K vlan)
- Support IEEE 802.1q tagged VLAN
- Support QoS based on port/vlan/dscp
- Support IEEE 802.1w:Rapid Spanning Tree Protocol (RSTP)
- Support LACP for load balance.
- Auto-negotiation and auto-MDI-MD1-X detection.
- Support IEEE 802.3x Flow Control
- Capable of storing 8K MAC addresses
- Support HDB3 coding for E1 interface
- Flexible packet length of Ethernet package with E1
- Support changing of source and destination MAC, IP, Port for TDM data
- Support Built-in PBRS test

Management

- Support HTTP and SNMP
- Provides port status, statistic monitoring, and control function
- Upgrade firmware and backup configuration through TFTP



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