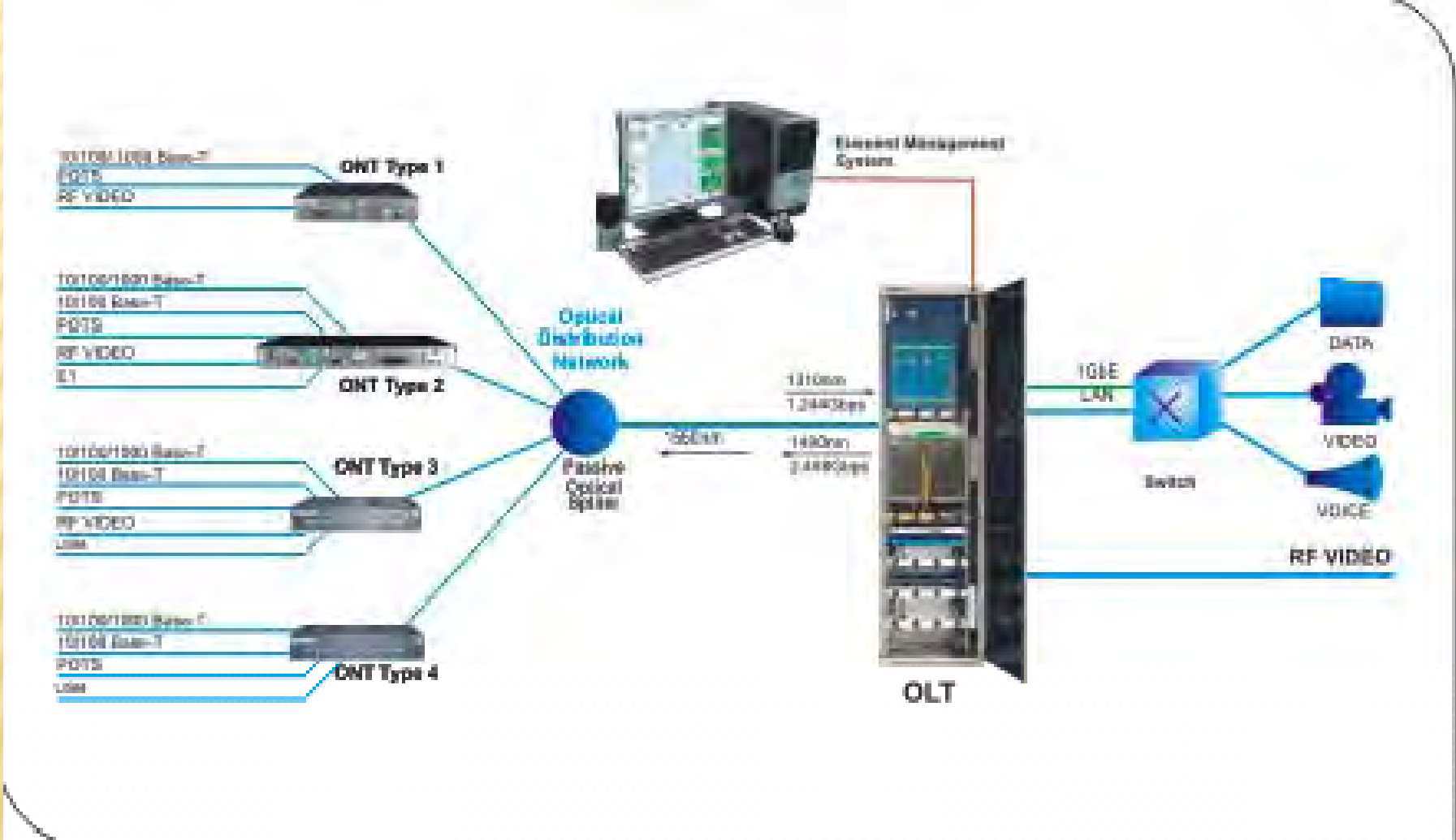


GPON SYSTEM



FEATURES

Features:

- Compliant with ITU-T G.984 & TEC-GR
- 2.5 Gbps downstream at 1490 nm
- 1.25 Gbps upstream at 1310 nm
- RF video transmission at 1550 nm
- 48 unprotected PON ports supported per shelf
- Can support 1:1 protection towards ODN
- Can support upto 32 ONTs per PON port
- Typical distance supported is 20Km
- Up-to 1536 ONTs supported per shelf
- 10Gb & 1Gb Ethernet uplinks for SNI
- Synchronization of the GPON system through network clock
- Management of the entire GPON system through LCT/EMS

SPECIFICATIONS

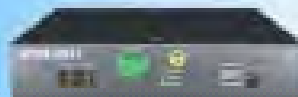
| | Specifications | Central office OLT | |
|--------------------------|------------------------------------|---|------------------------------------|
| Optical Interface | Transmission | ITU-T G.984 | |
| | Line rate | D/S - 2.488 Gbps, U/S - 1.244 Gbps | |
| | Fiber | Single mode fiber (G.652) | |
| | Connector | LC/APC | |
| | Wavelength | 1490nm D/S, 1310 nm U/S, 1550 nm video | |
| | Distance | Upto 20 km depending upon the split ratio | |
| | Link budget | 28 dB (class B+) | |
| | Ports per shelf | 48 max. | |
| | ONTs per port | Upto 32 | |
| Network Uplinks | Protocol | 10 GbE | 1 GbE |
| | Interface | Optical (through XFP) | Optical / Electrical (through SFP) |
| | Ports | 4 | 4 |
| Management Interface | Protocol | SNMP | |
| | Interface | 10/100BaseT | |
| | Port | 1 | |
| Power Supply | -40 V to -60 V DC | | |
| Cooling | Forced Cooling | | |
| Dimensions | Standard 19" rack of 2200mm height | | |
| Environmental Compliance | QM 333 'B2' category. | | |

COMPONENTS OF THE SYSTEM



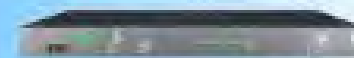
ONT Type 1

- 2 POTS ports
- 1 port of 10/100/1000 BaseT
- 1 RF Video port



ONT Type 3

- 2 POTS ports
- 1 port of 10/100/1000 BaseT
- 4 ports of 10/100 BaseT
- 2 USB ports
- 1 RF Video port
- Optional Wi-Fi interface (802.11n)



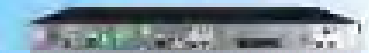
SURYA DAMAK

- Solar Powered versions of ONT-1/3/4
- Compact Box consists of ONT Card, Charge Control Electronics and Sleek Batteries
- Power Backup for RF Video + Ethernet + POTS is 7 hrs approx. (For ONT1)



ONT Type 2

- 4 POTS ports
- 1 port of 10/100/1000 BaseT
- 4 ports of 10/100 Base T
- 1 RF Video port
- 4 E1 ports



ONT Type 4

- 2 POTS ports
- 1 port of 10/100/1000 BaseT
- 4 ports of 10/100 BaseT
- 2 USB ports
- Optional Wi-Fi interface (802.11n)

